

FIG. 1

005217 637250

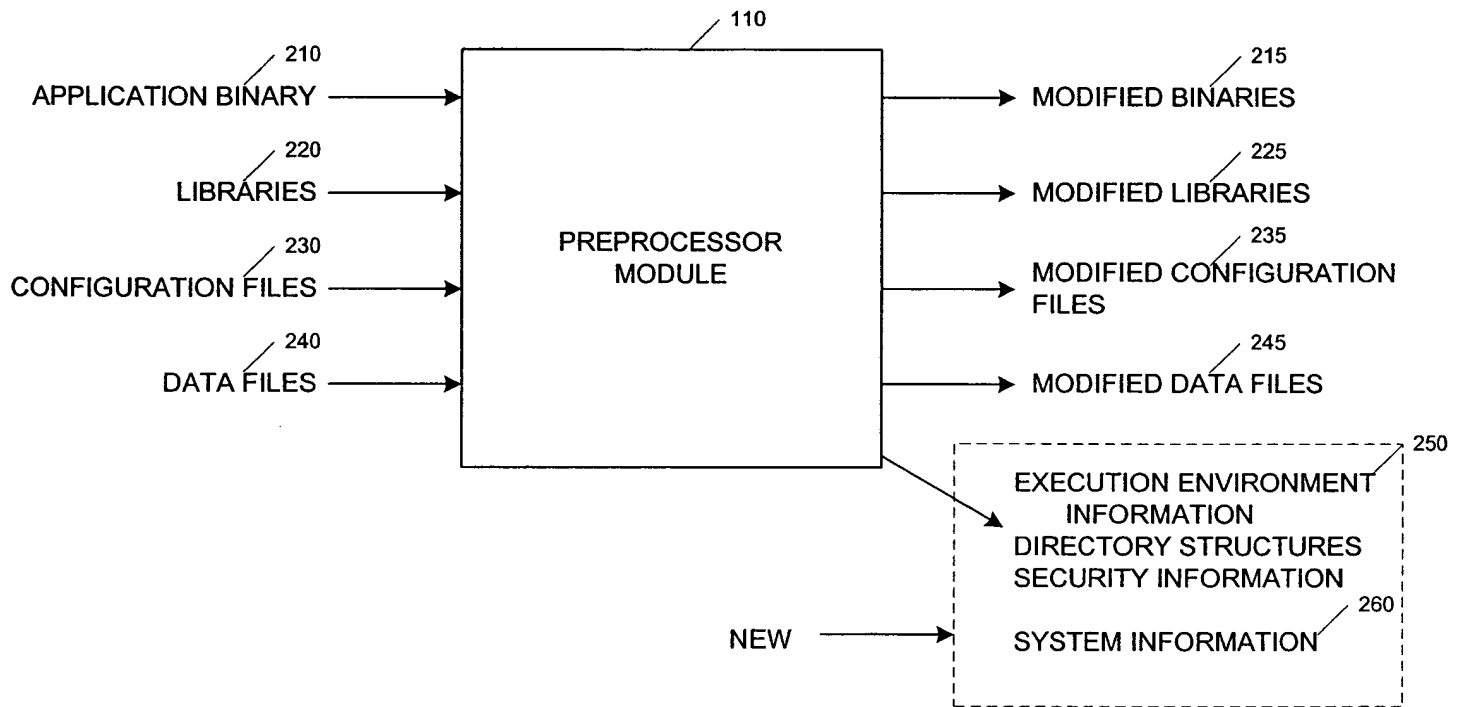


FIG. 2

NORMAL EXECUTION

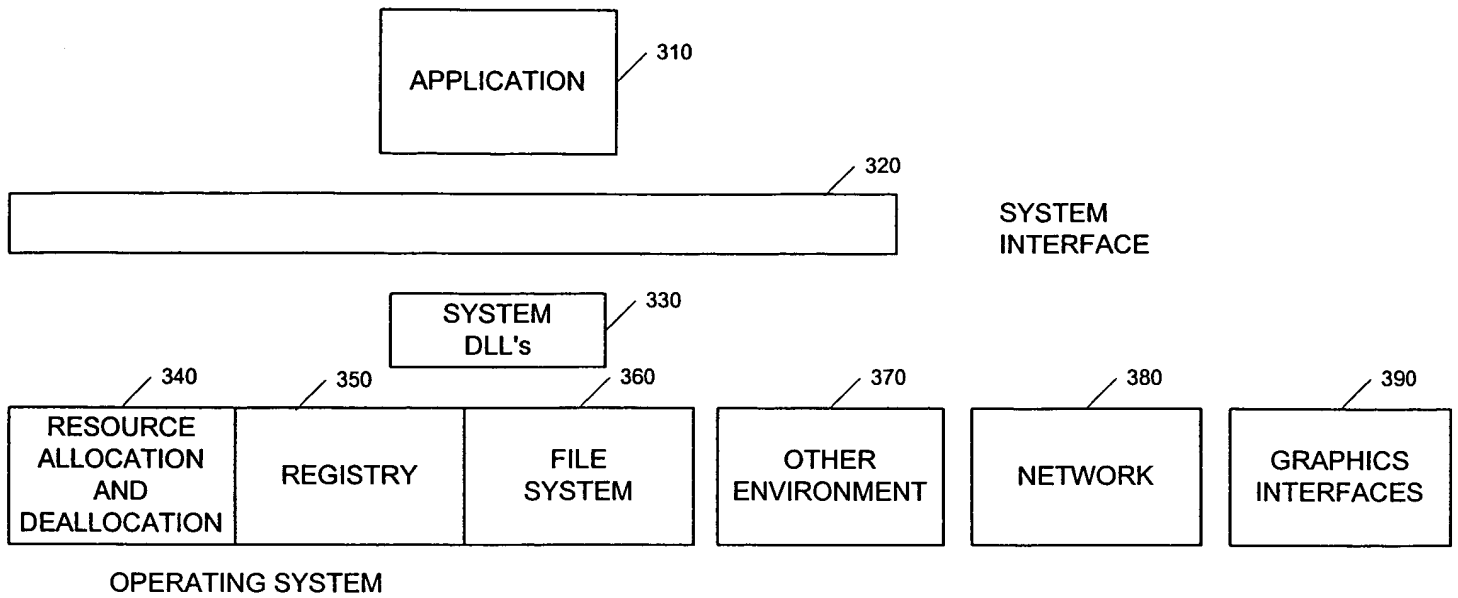


FIG. 3

SECURE EXECUTION

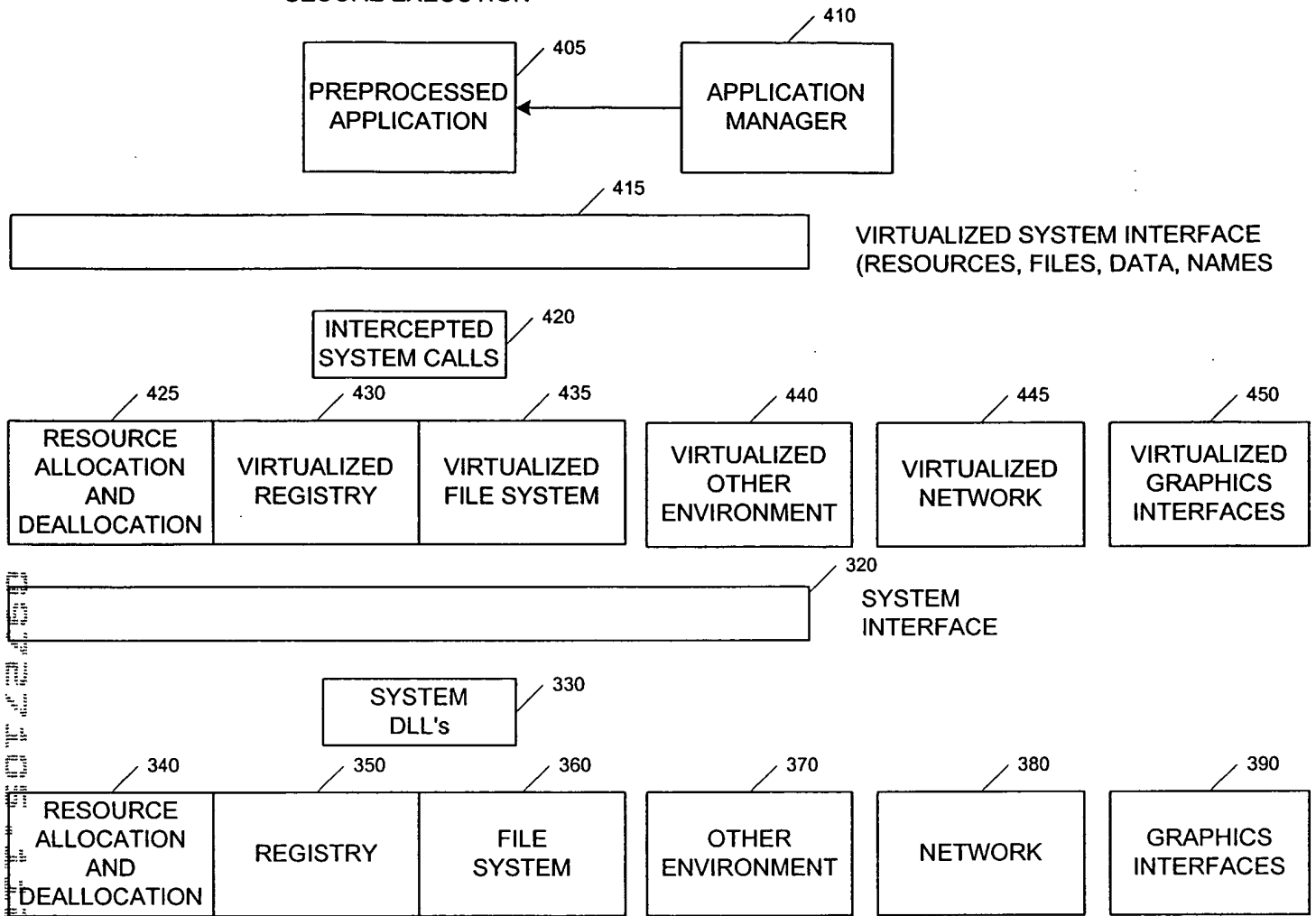


FIG. 4

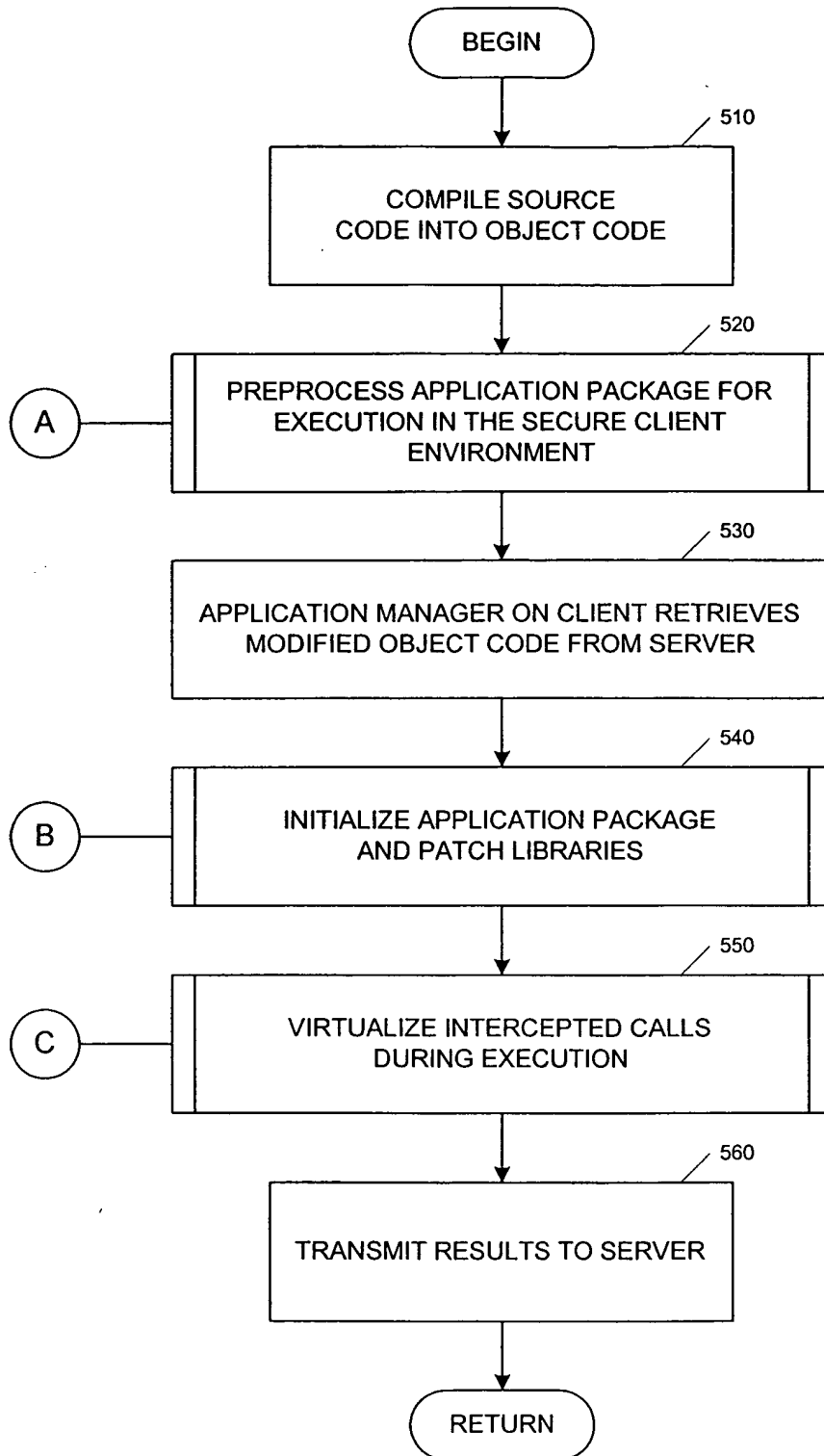


FIG. 5

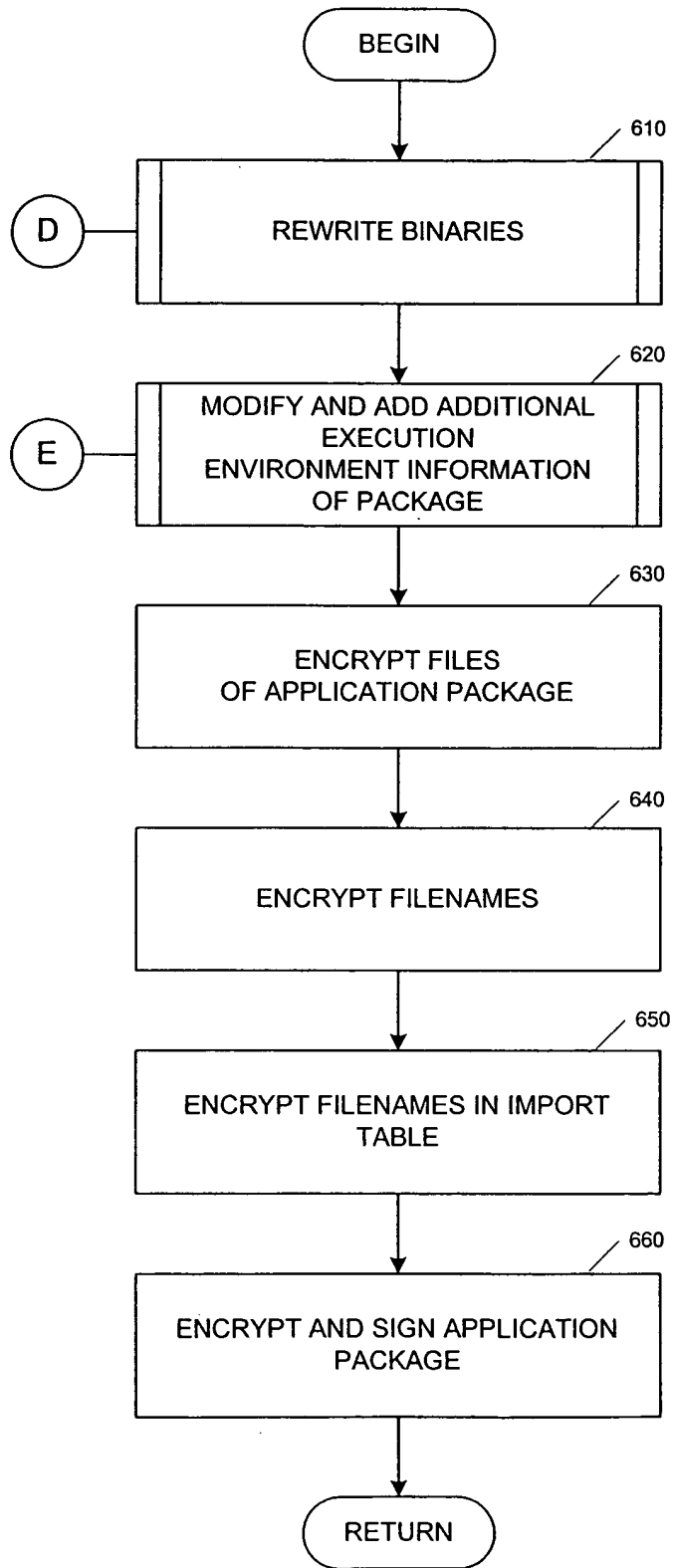


FIG. 6

D 610

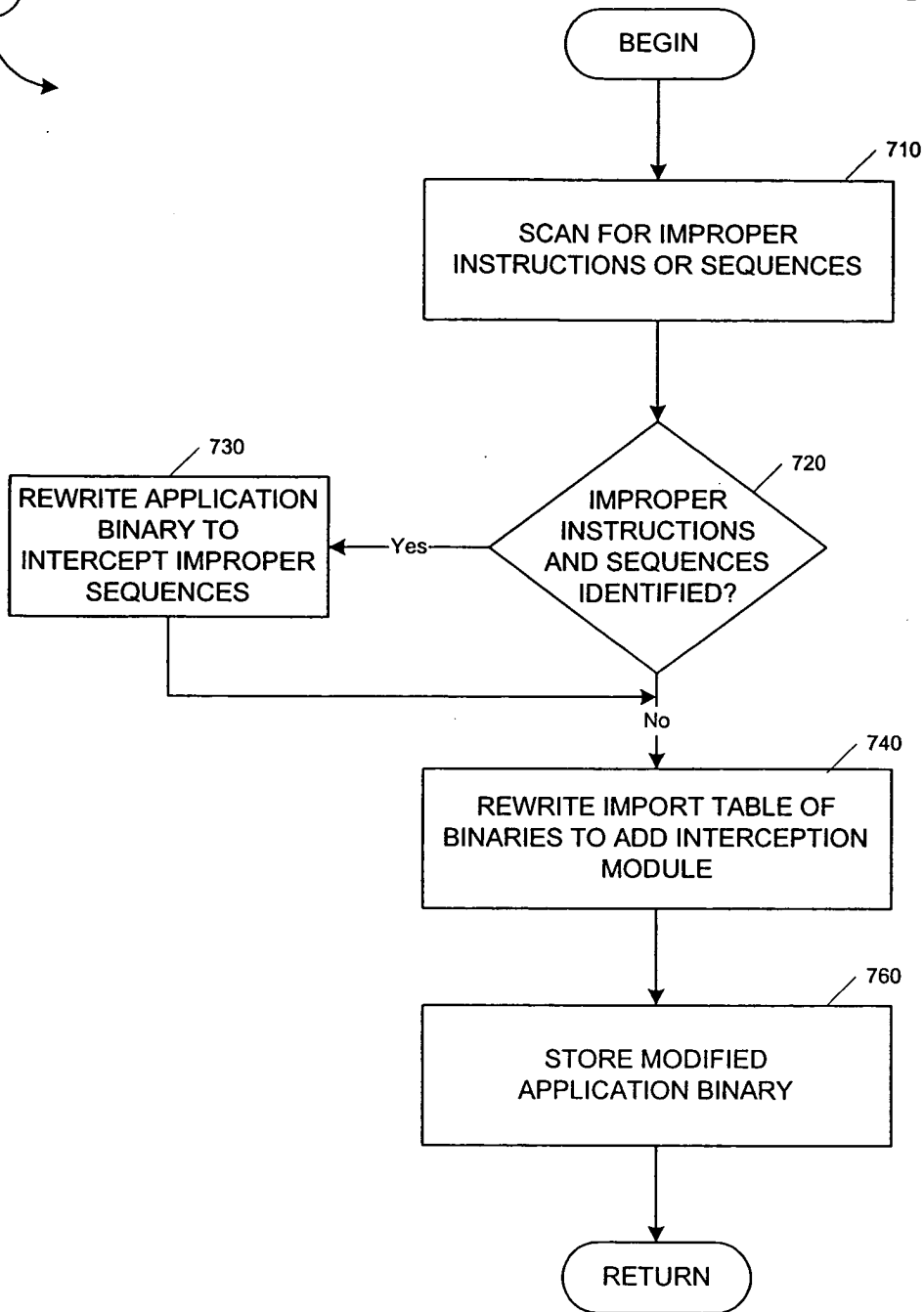


FIG. 7

E 620

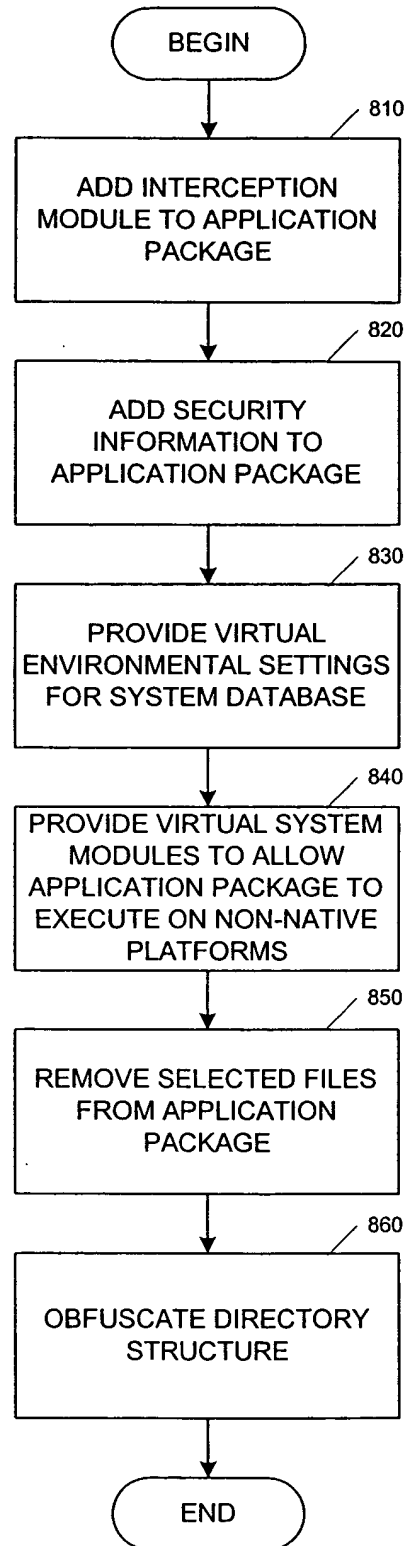


FIG. 8

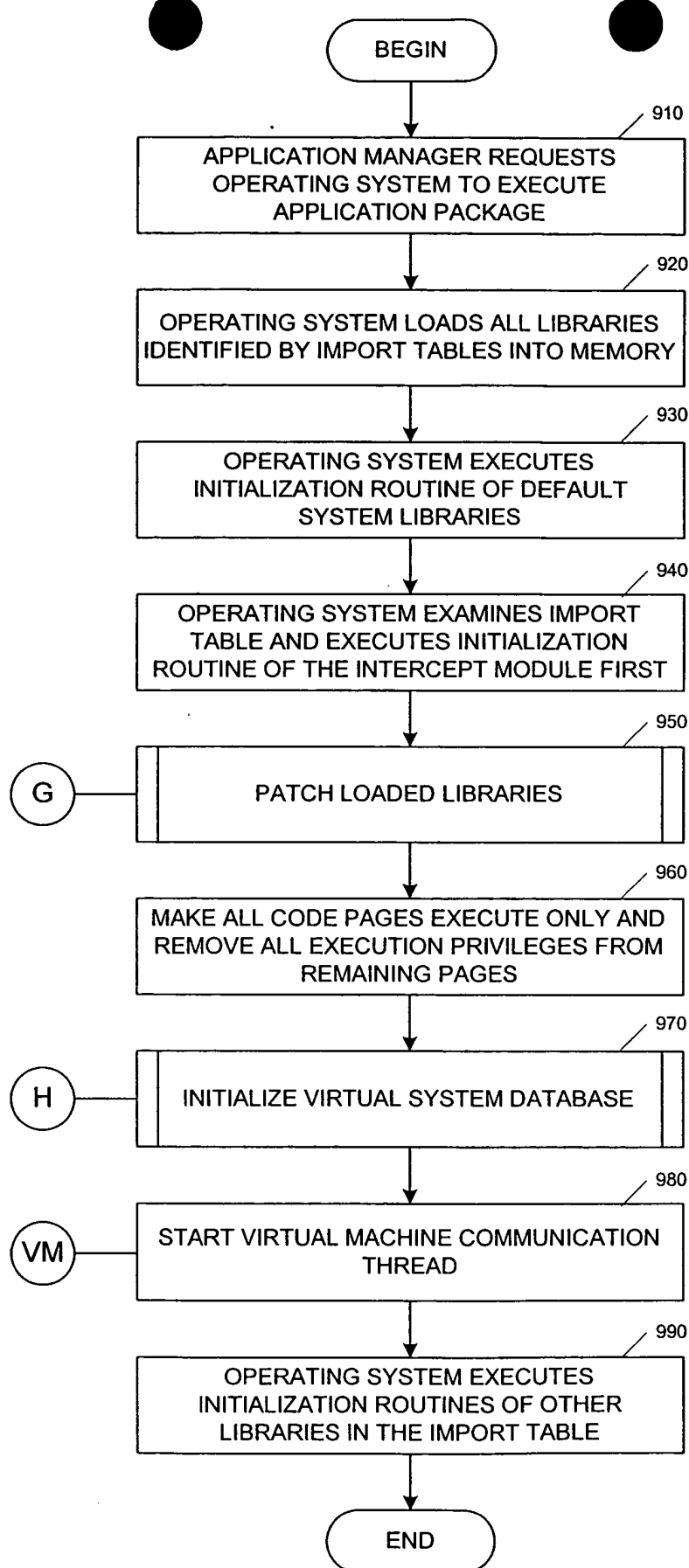
[illegible]

FIG. 9

G 950

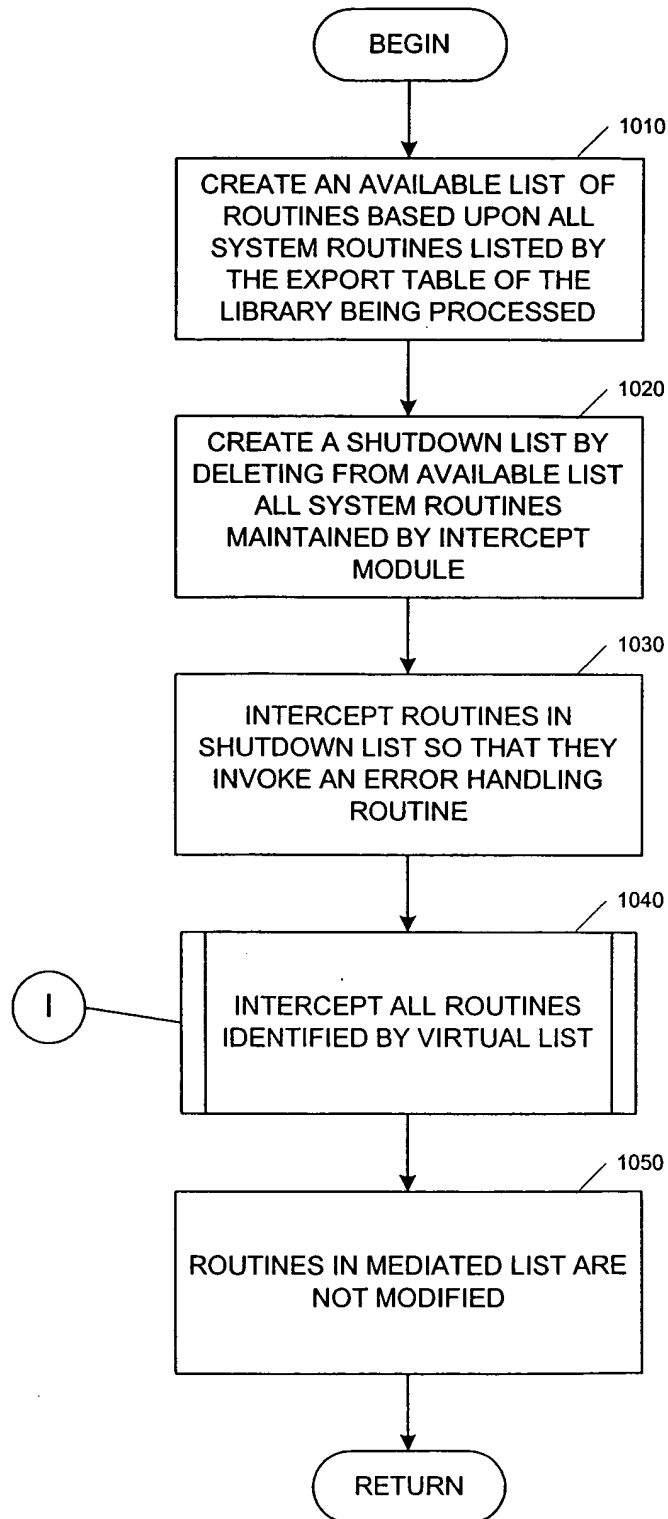


FIG. 10

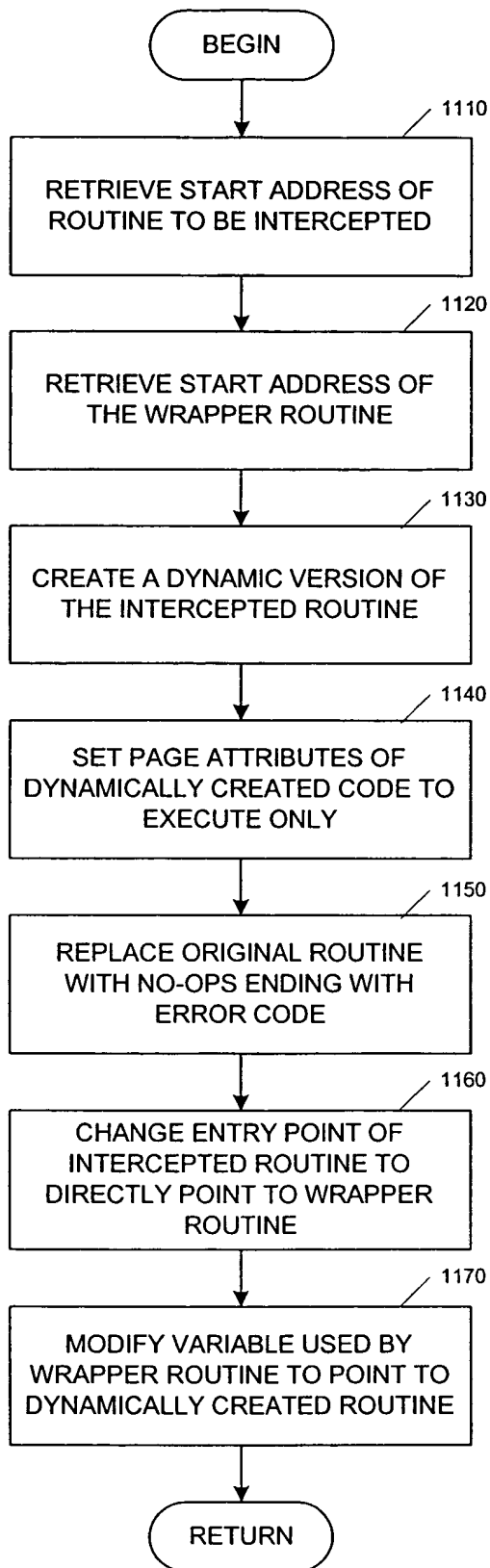


FIG. 11

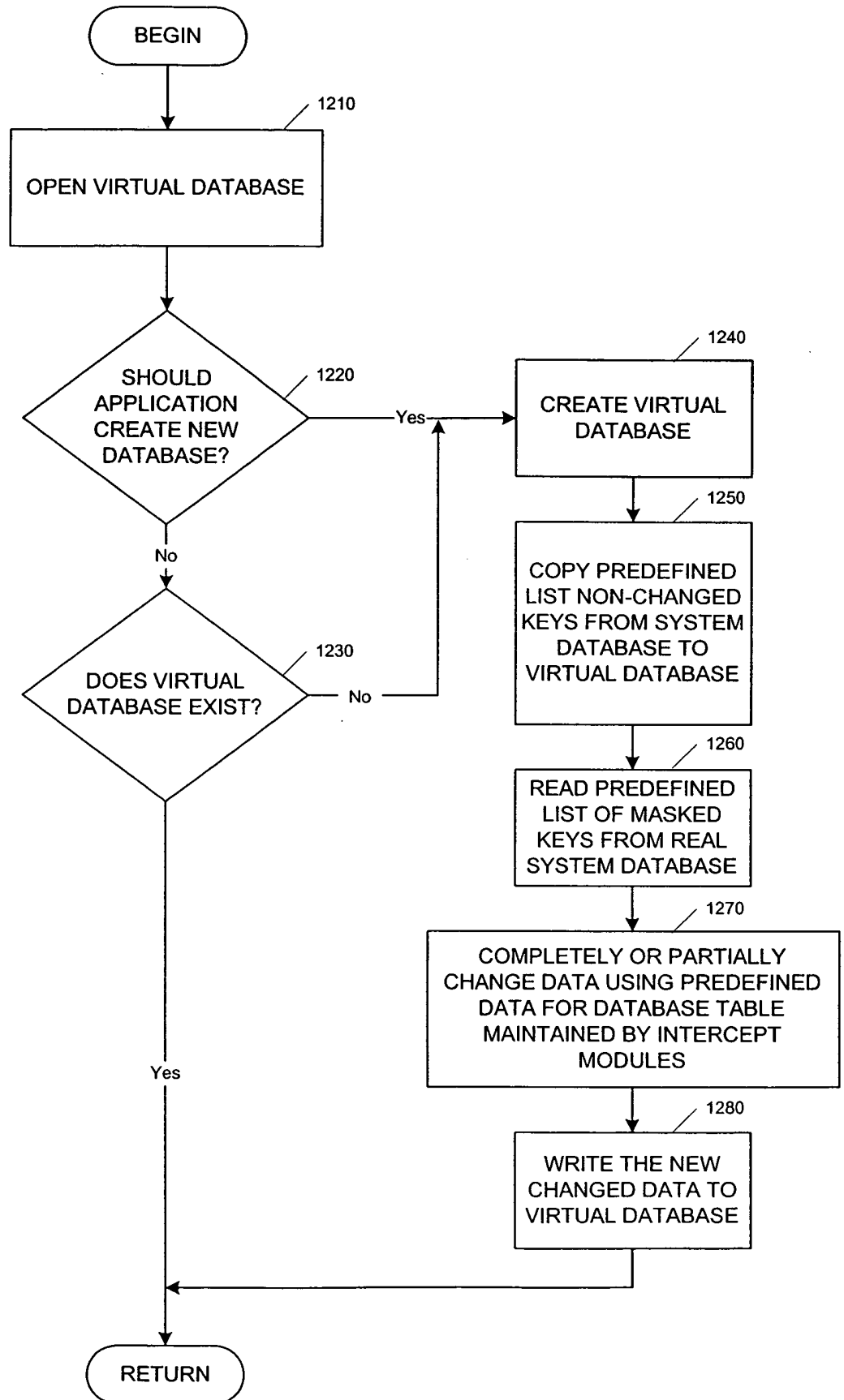


FIG. 12

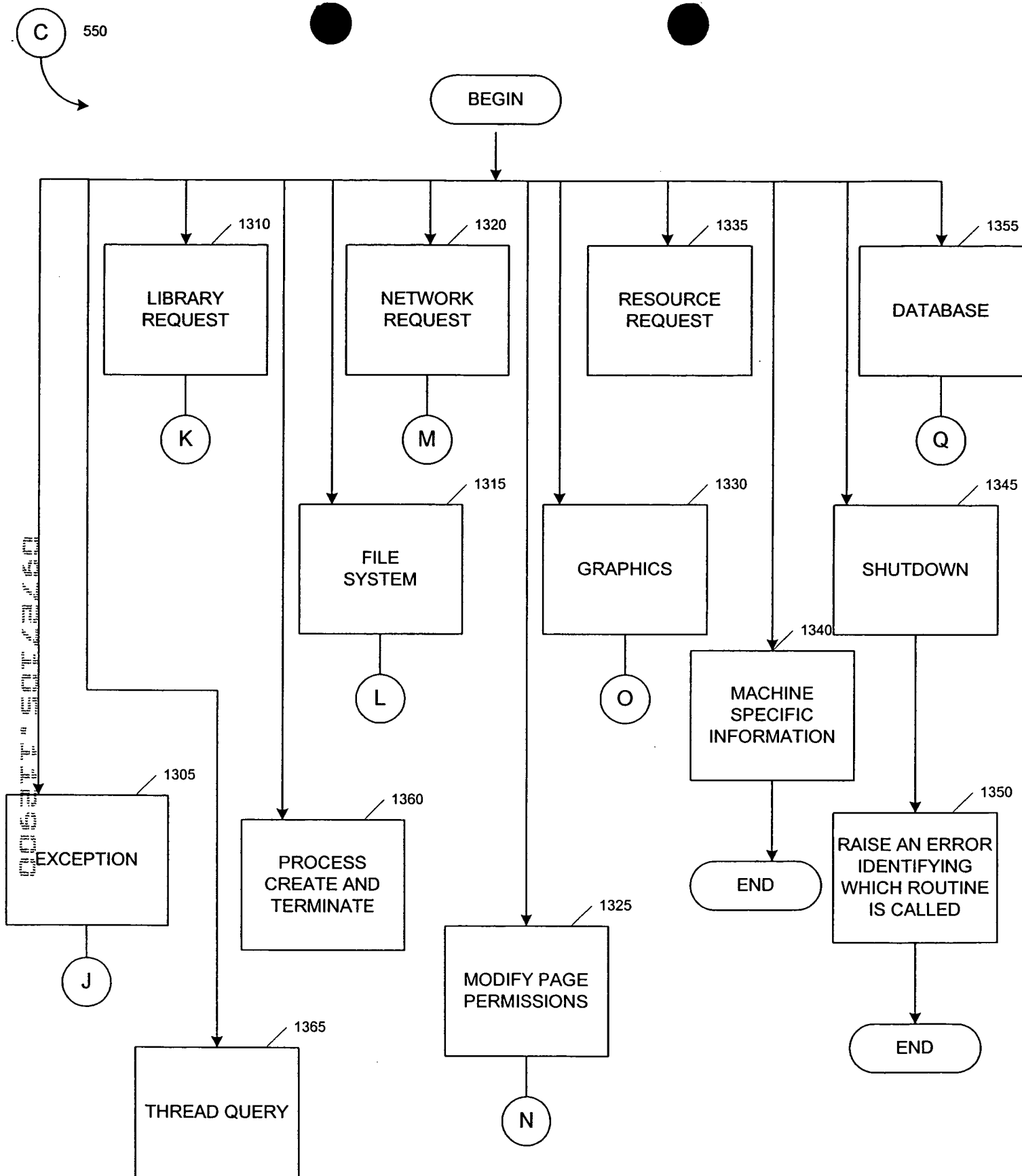


FIG. 13

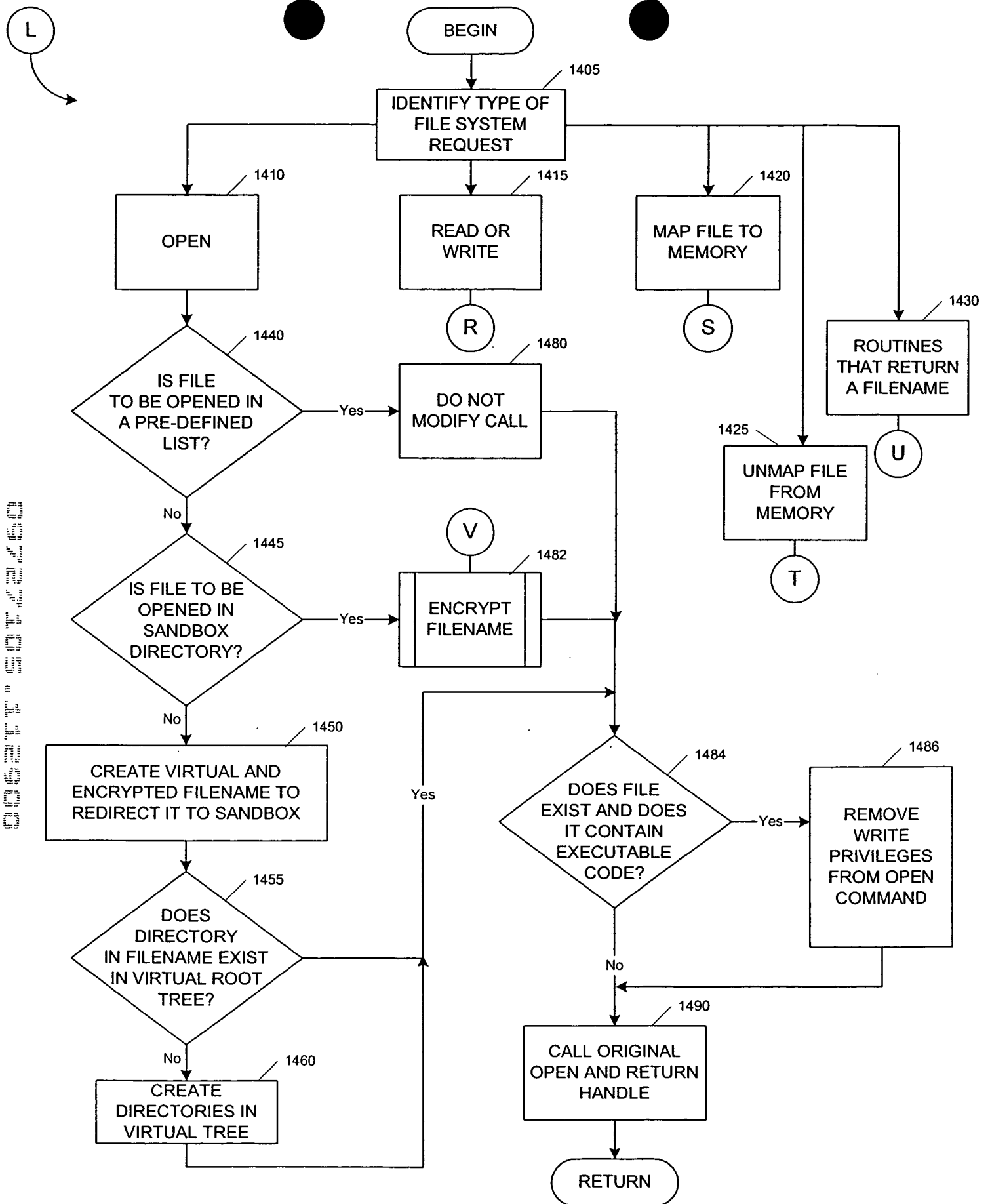


FIG. 14

J

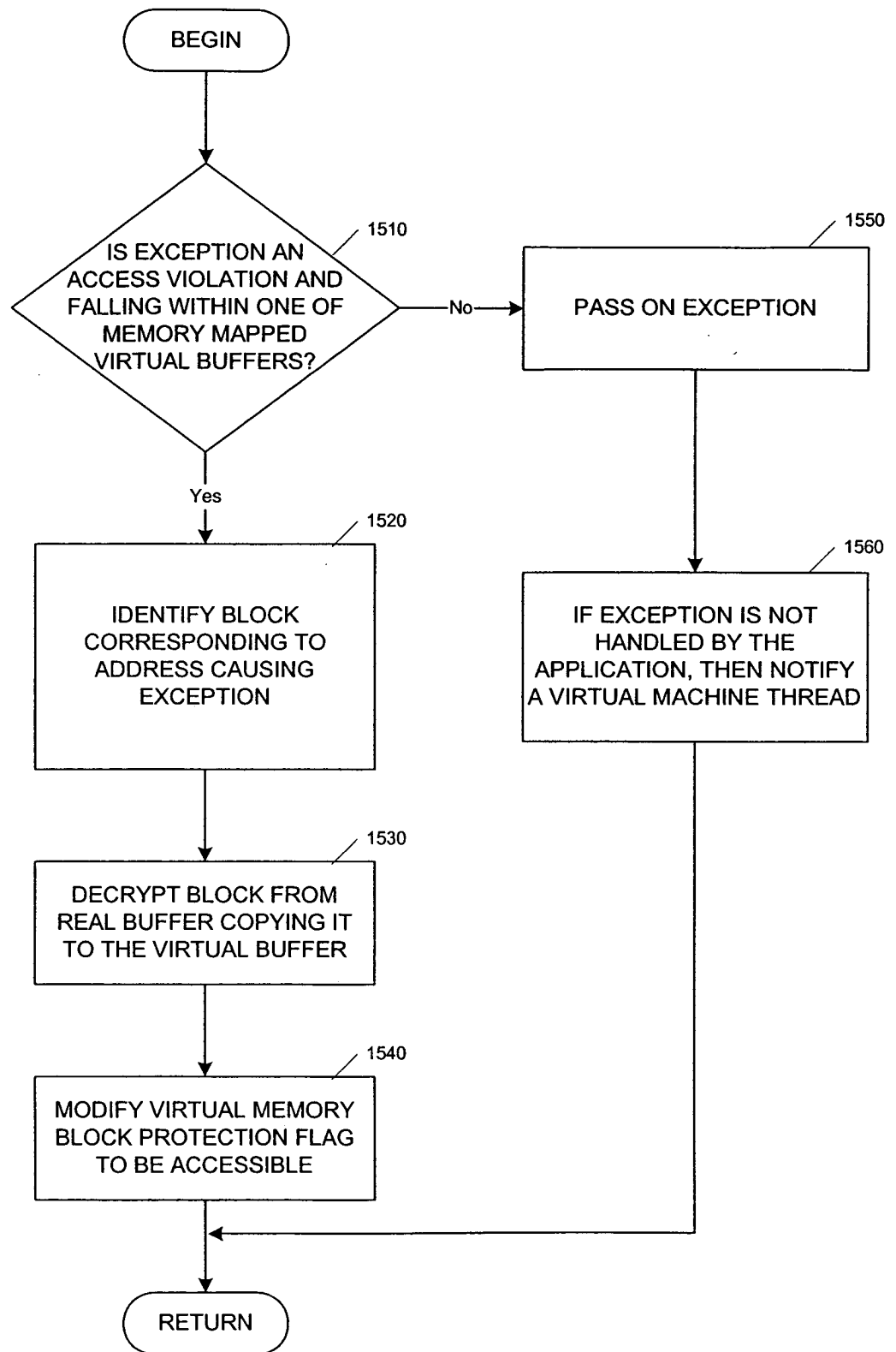


FIG. 15

K

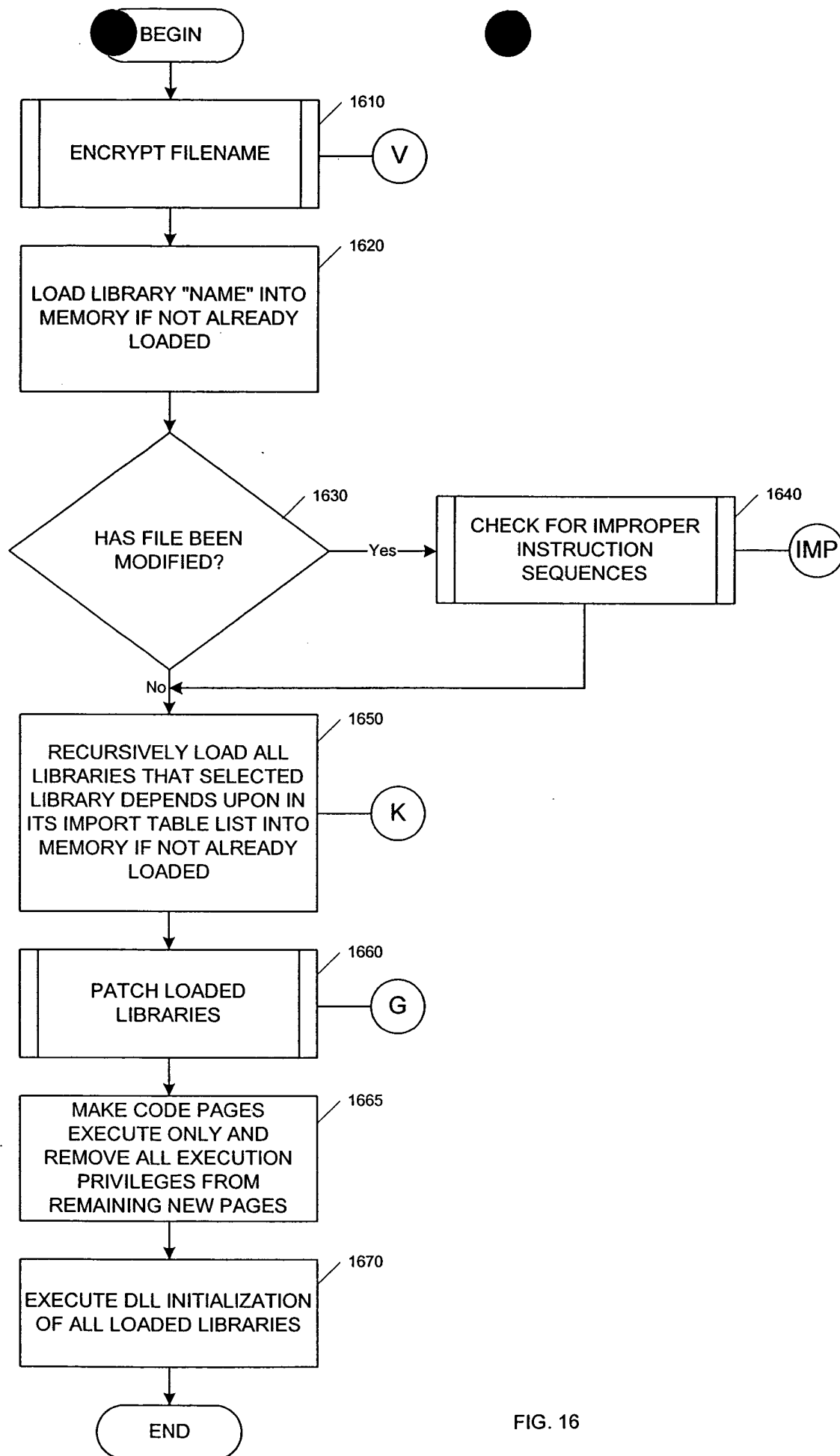


FIG. 16

IMP

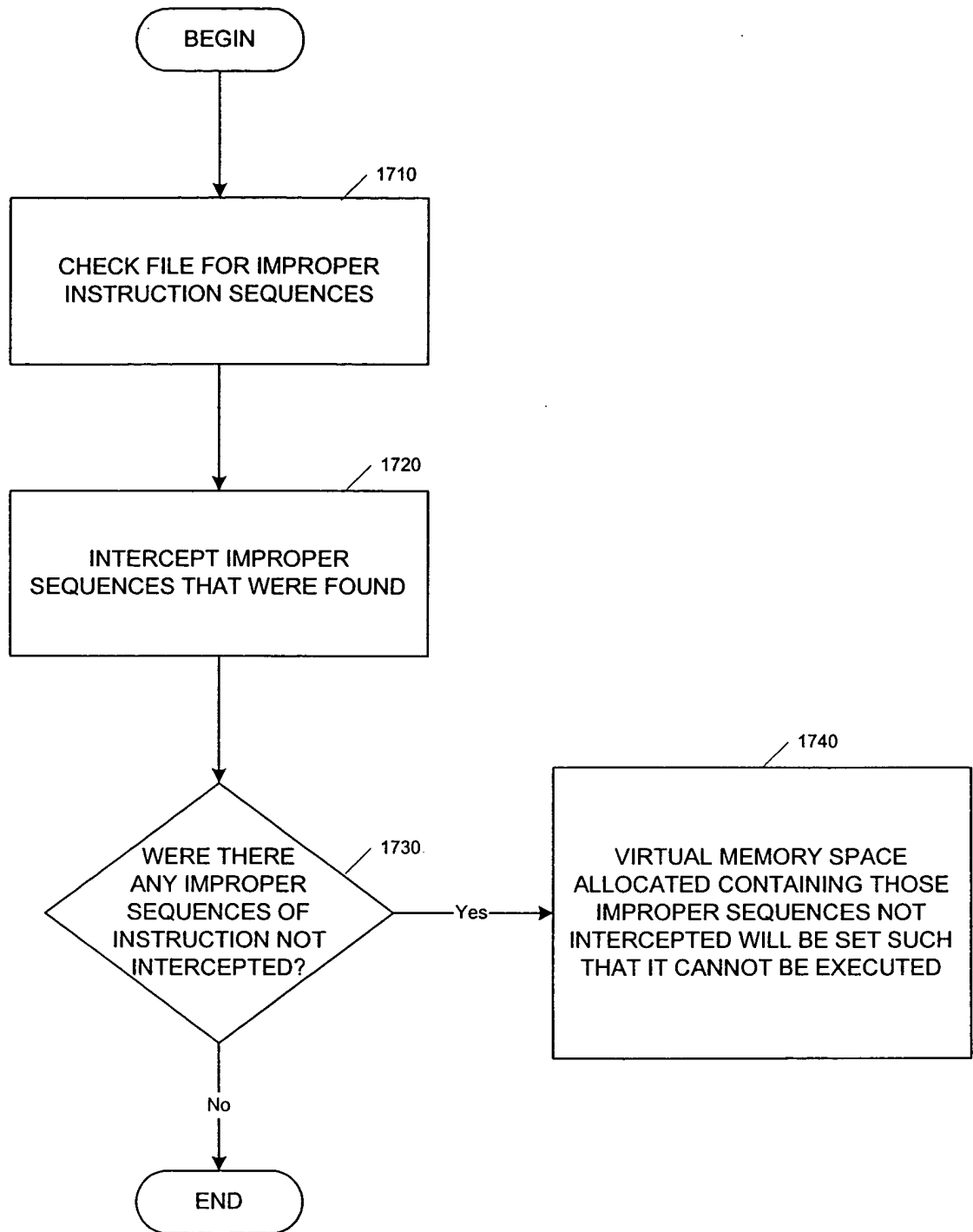


FIG. 17

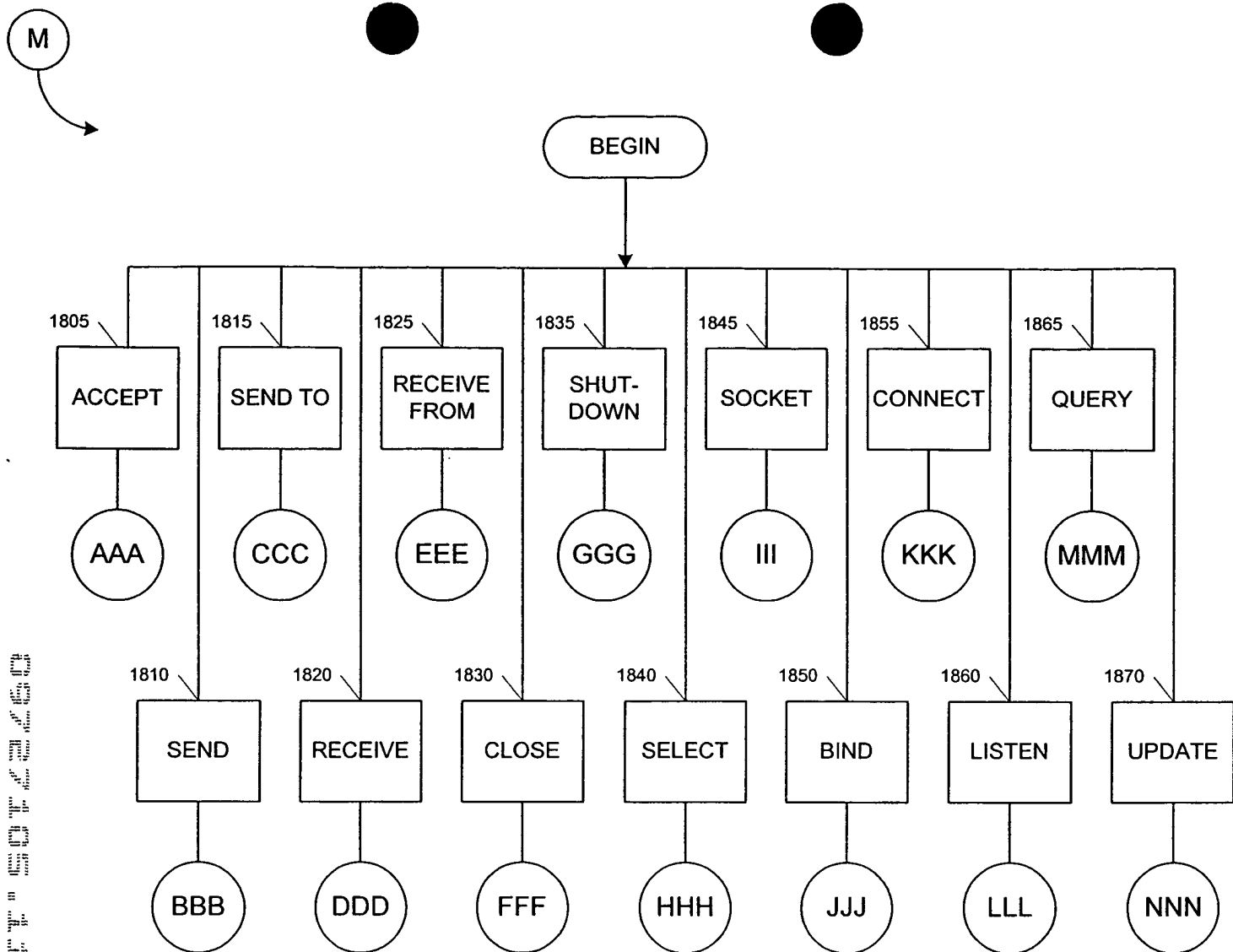


FIG. 18

AAA

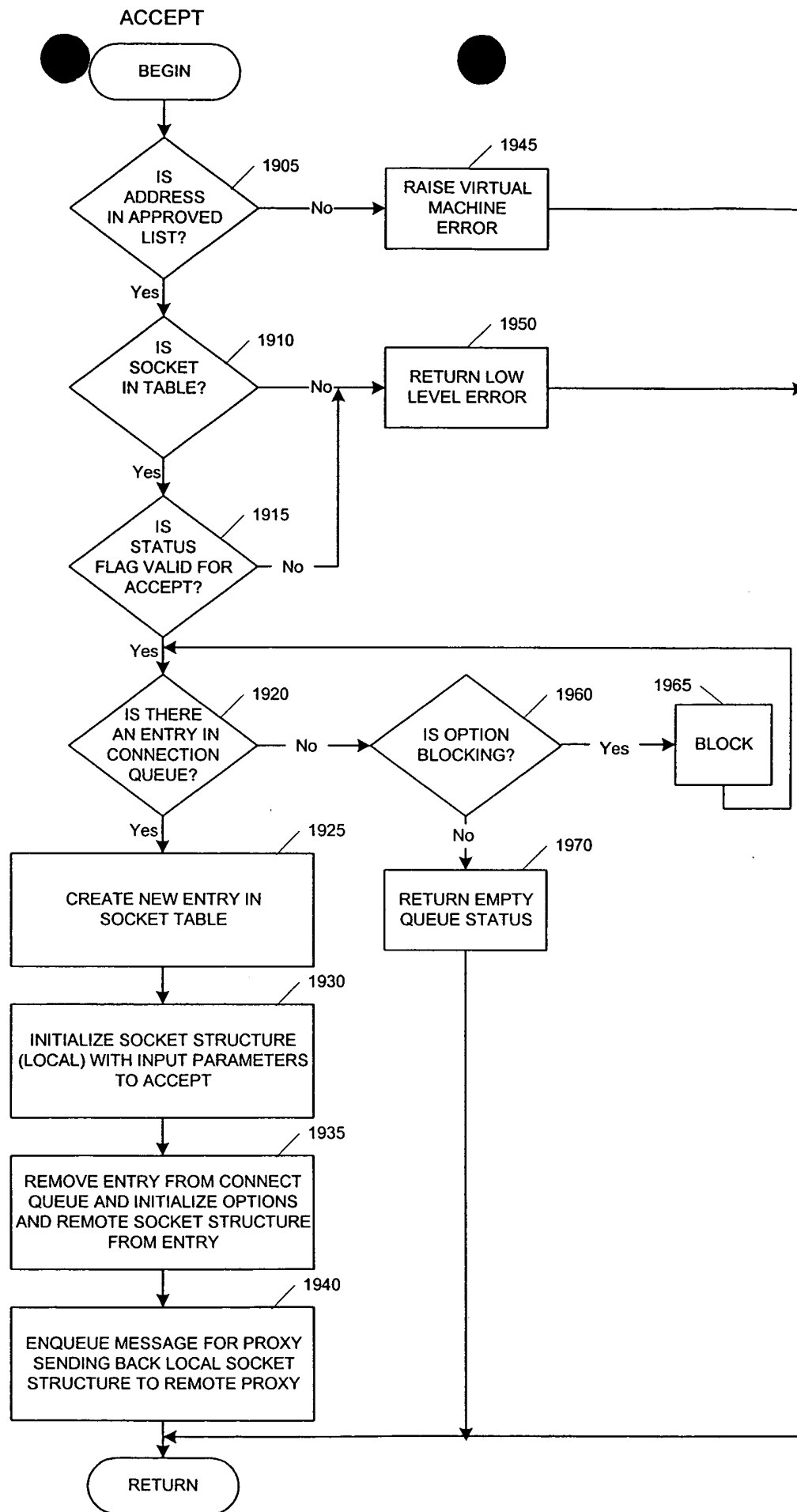


FIG. 19

BBB

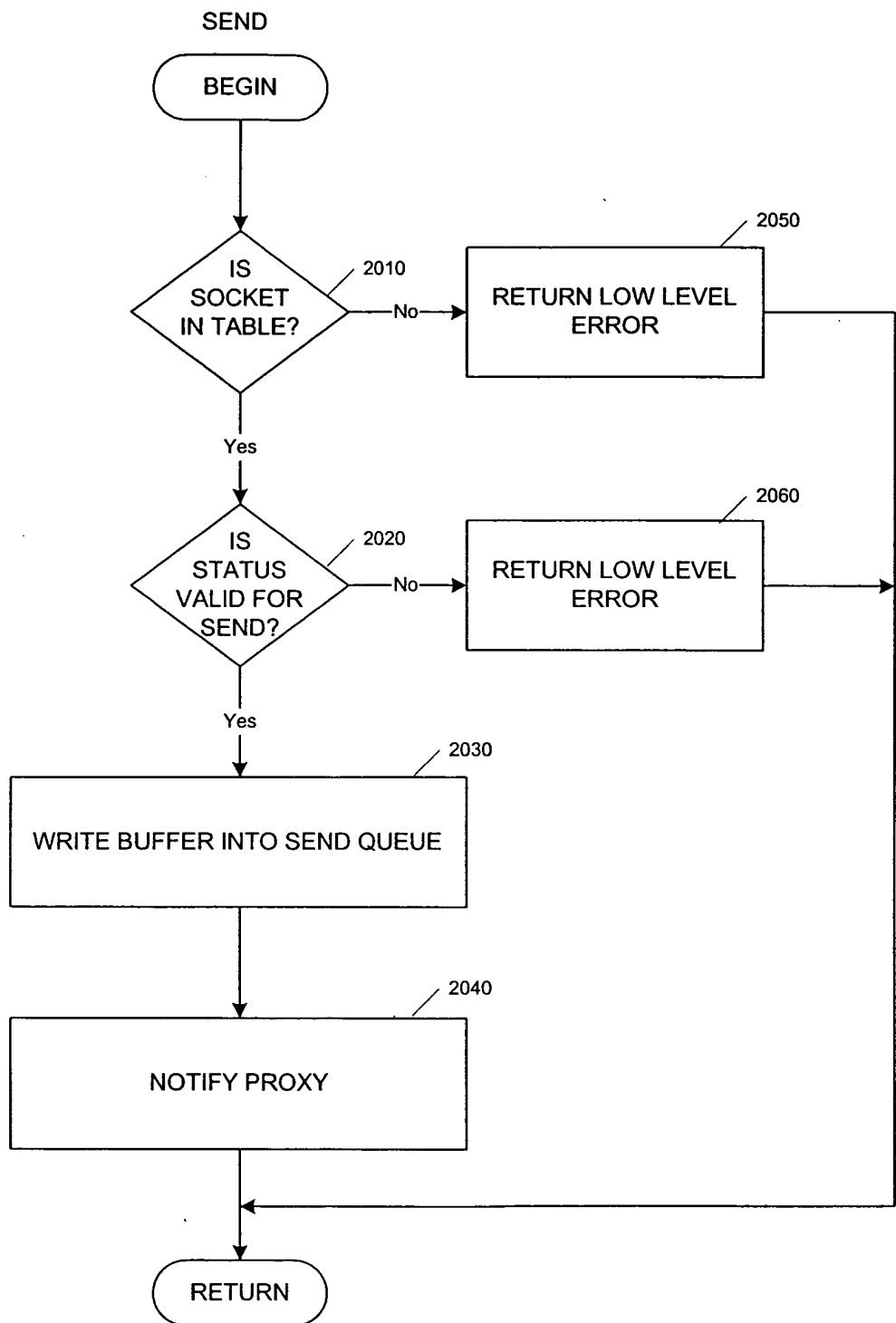


FIG. 20

CCC

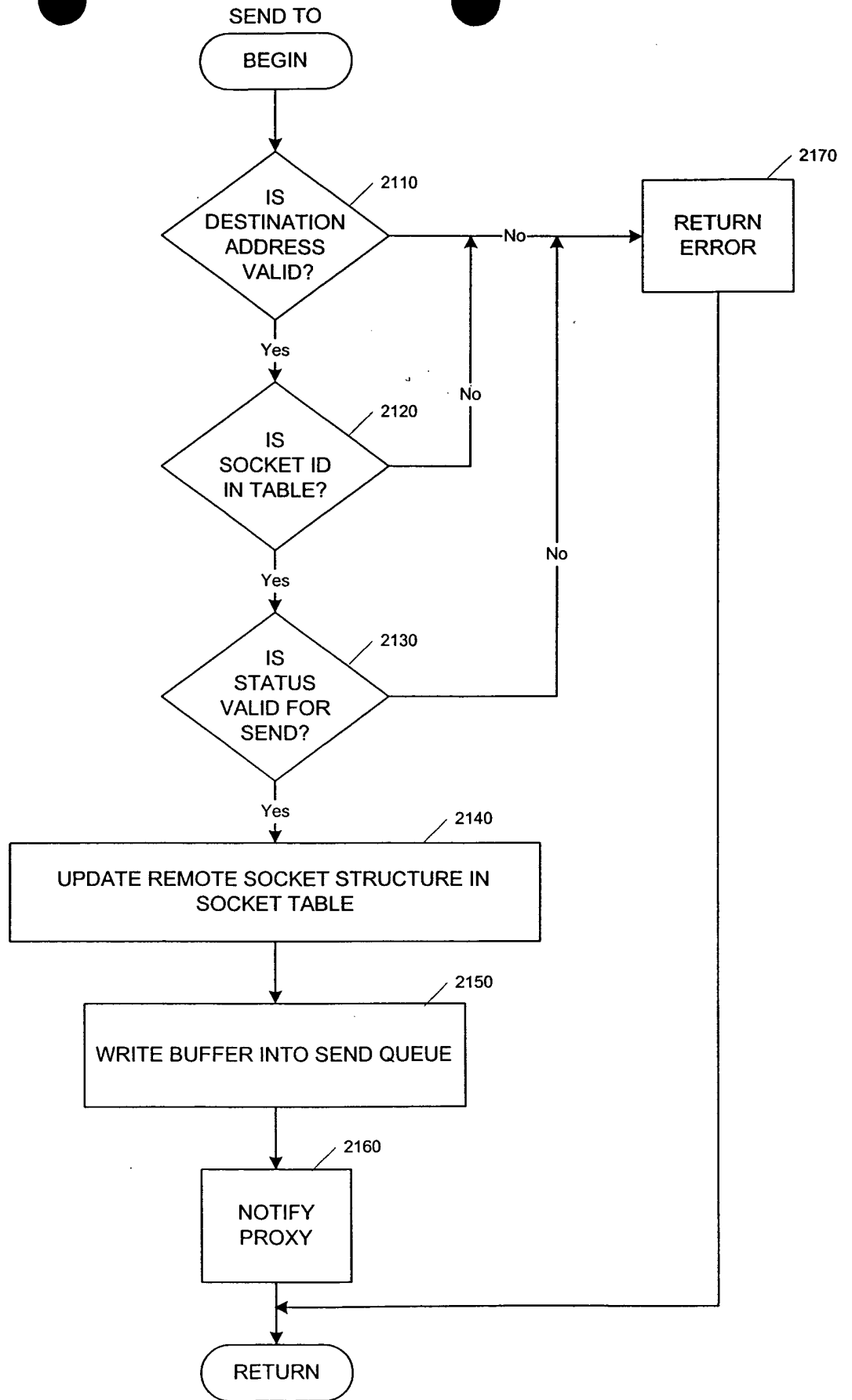


FIG. 21

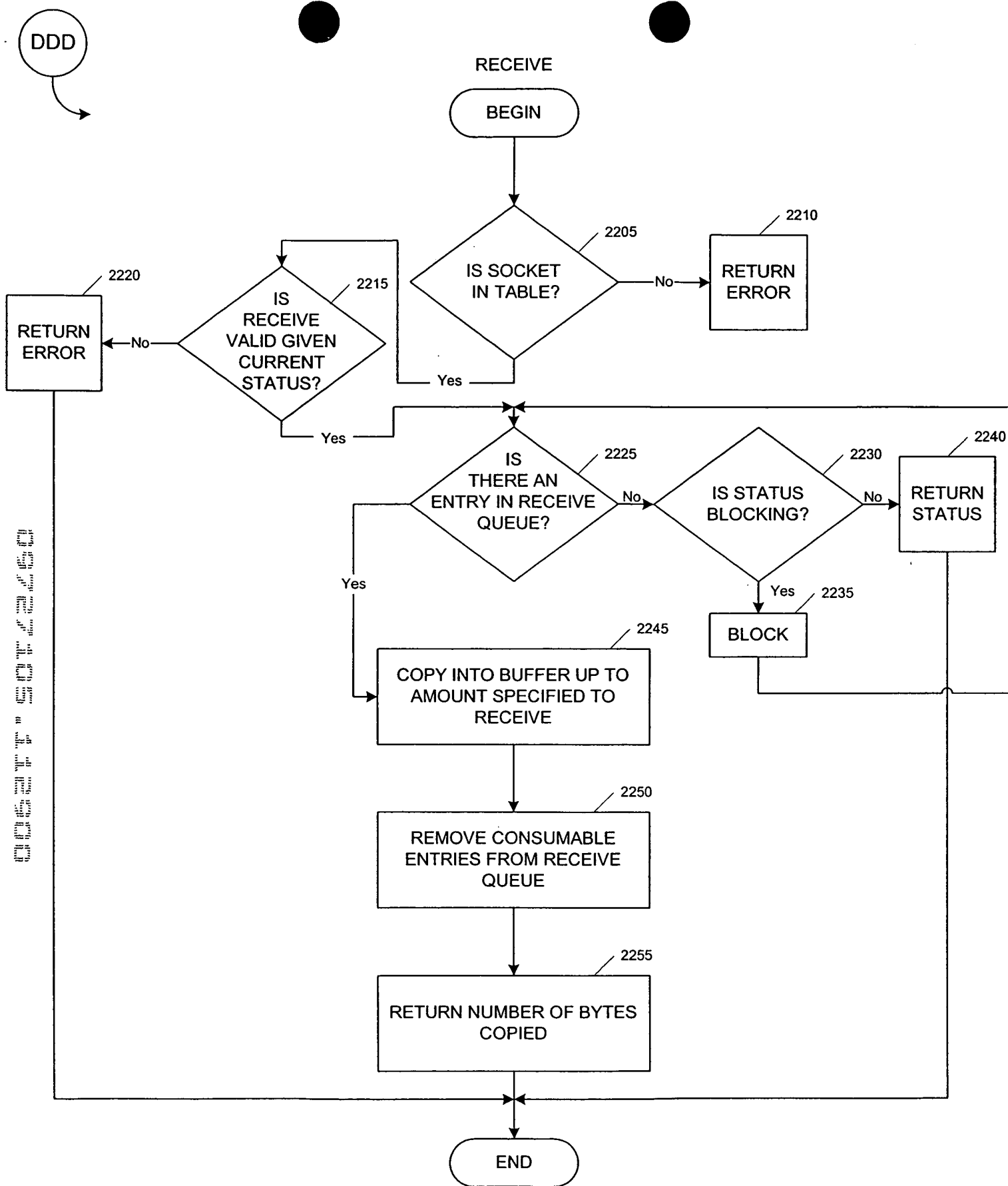


FIG. 22

EEE

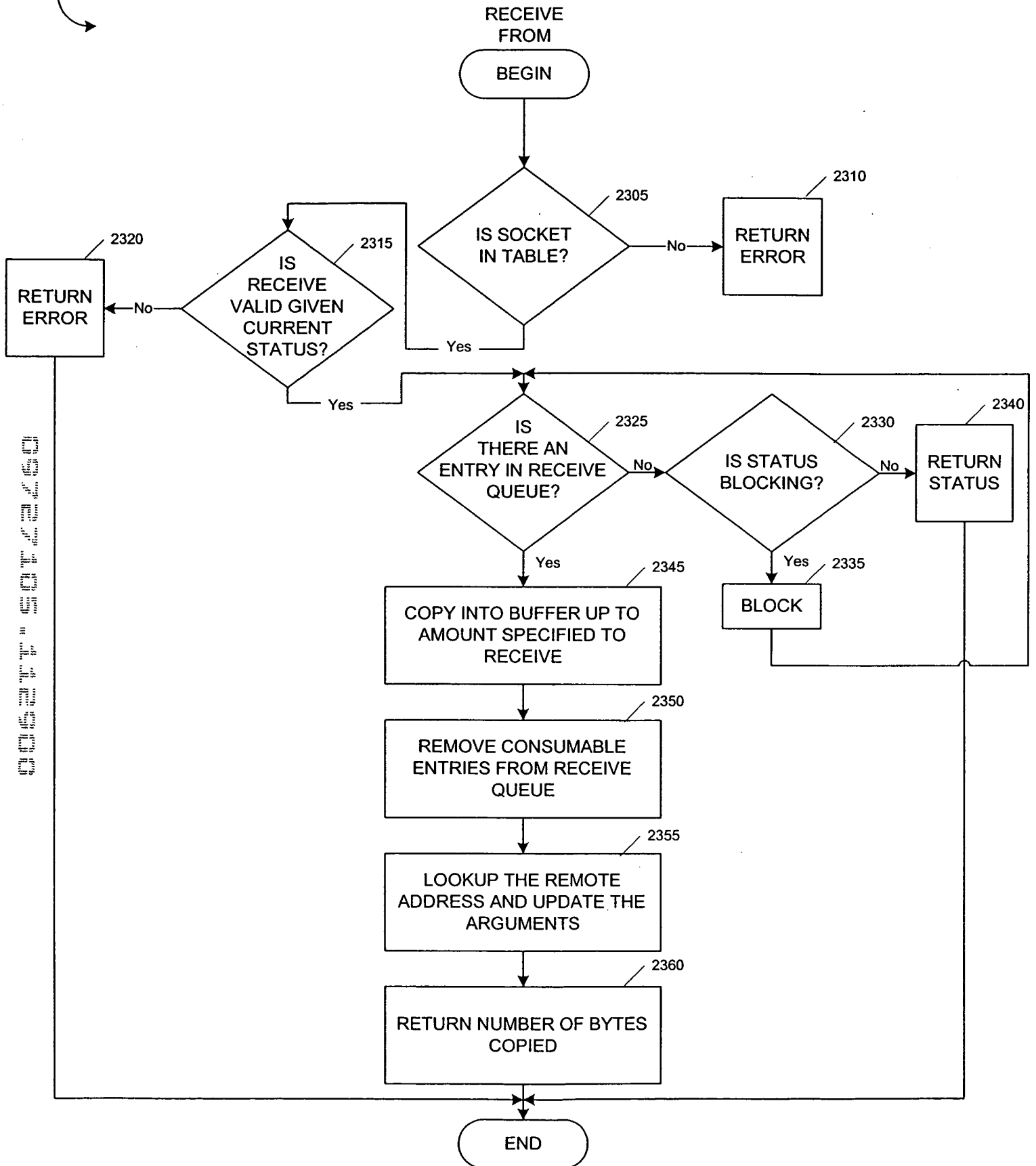


FIG. 23

FFF

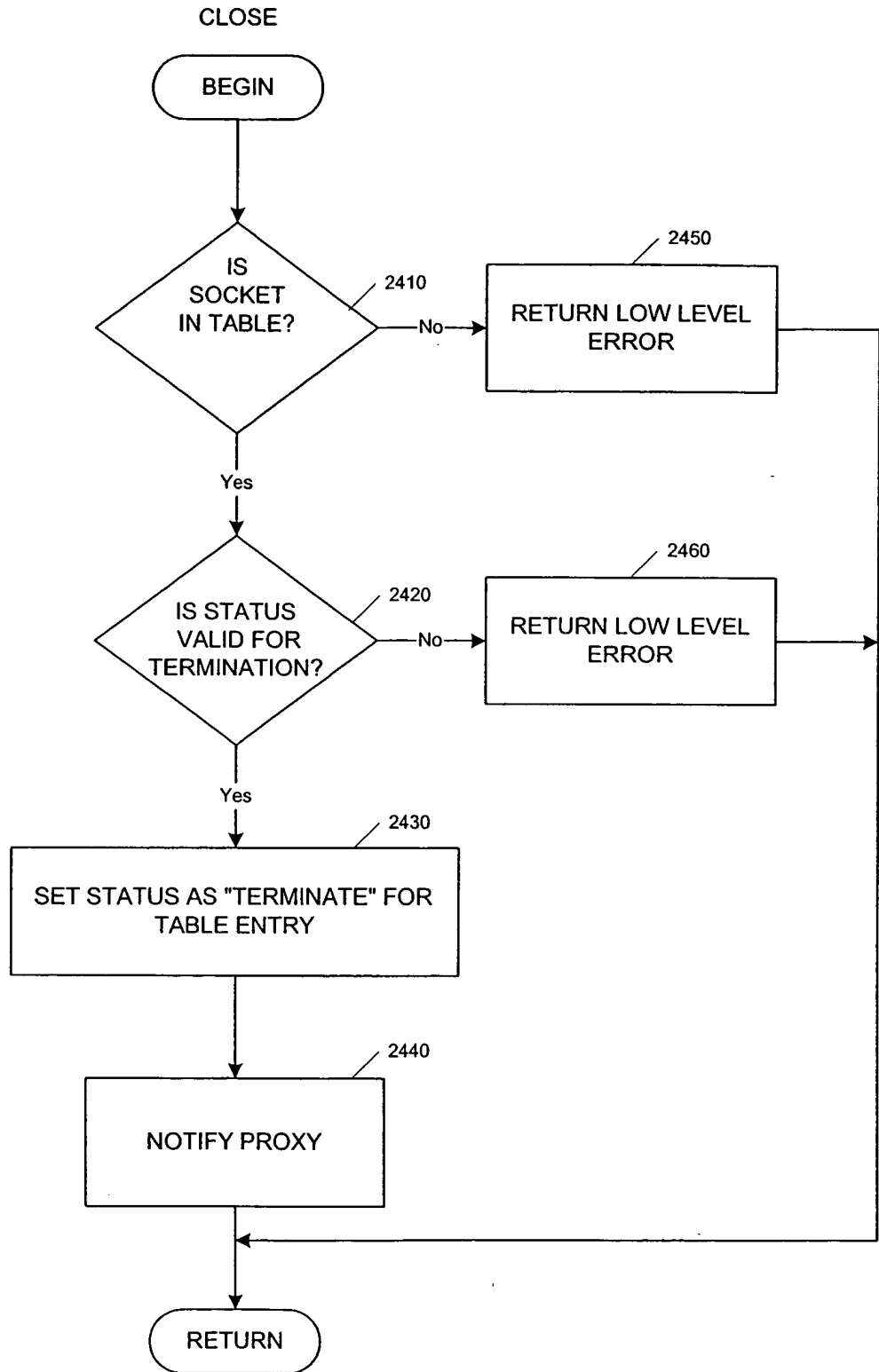


FIG. 24

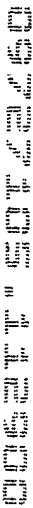
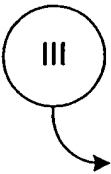


FIG. 25

[illegible]



1845

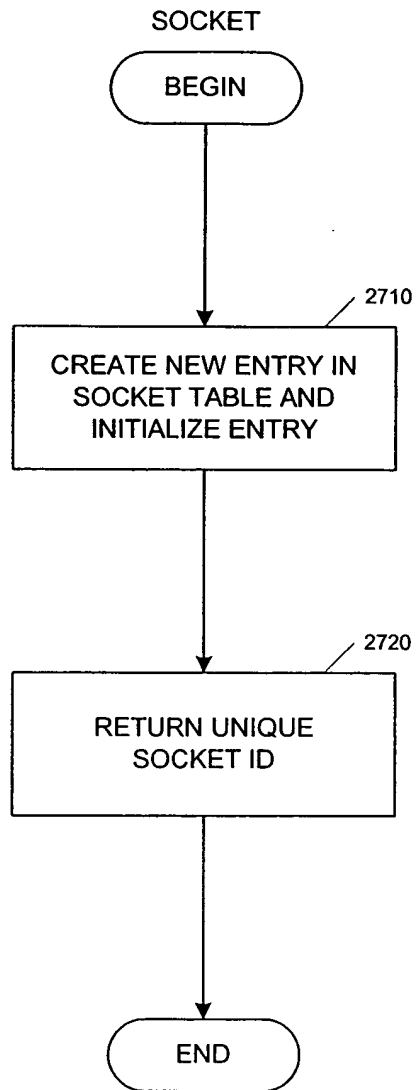


FIG. 27

JJJ

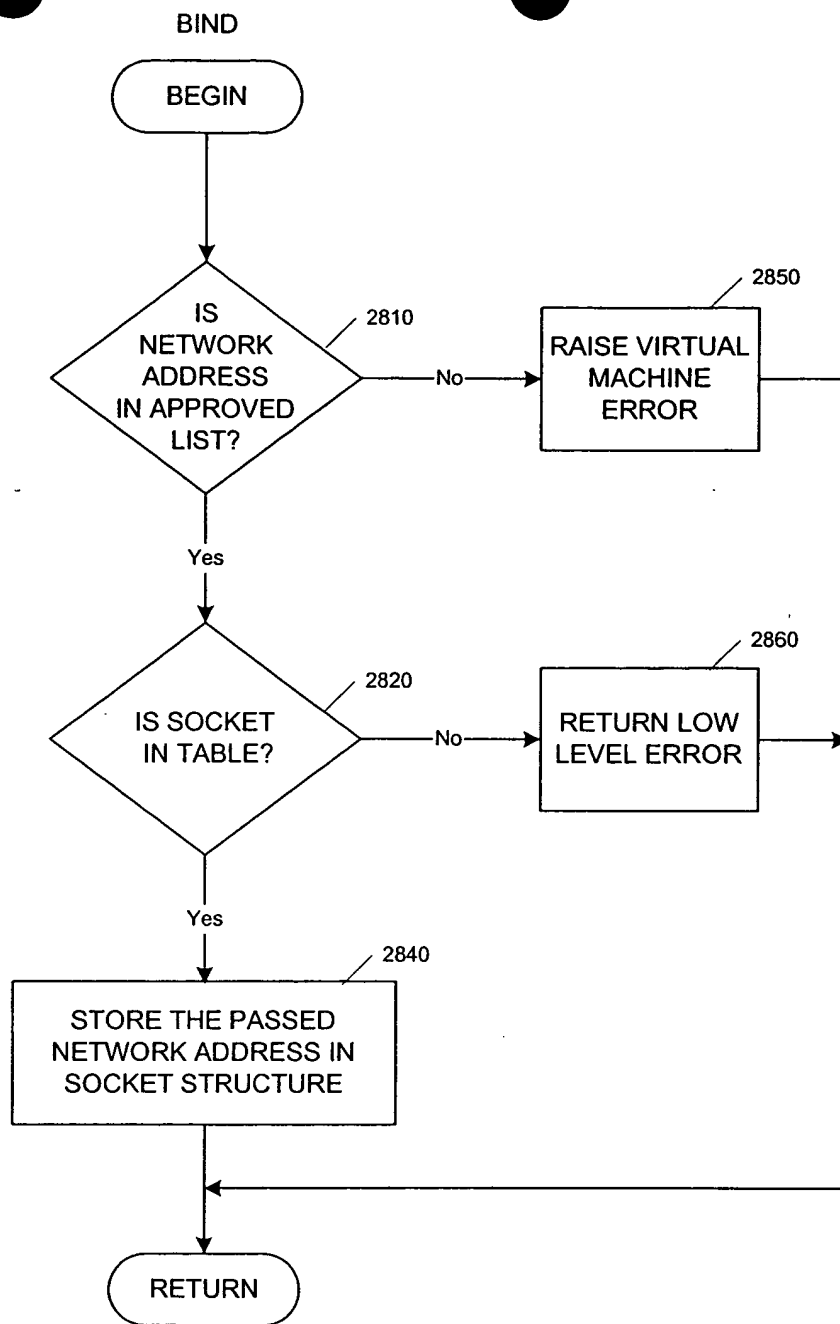


FIG. 28

KKK

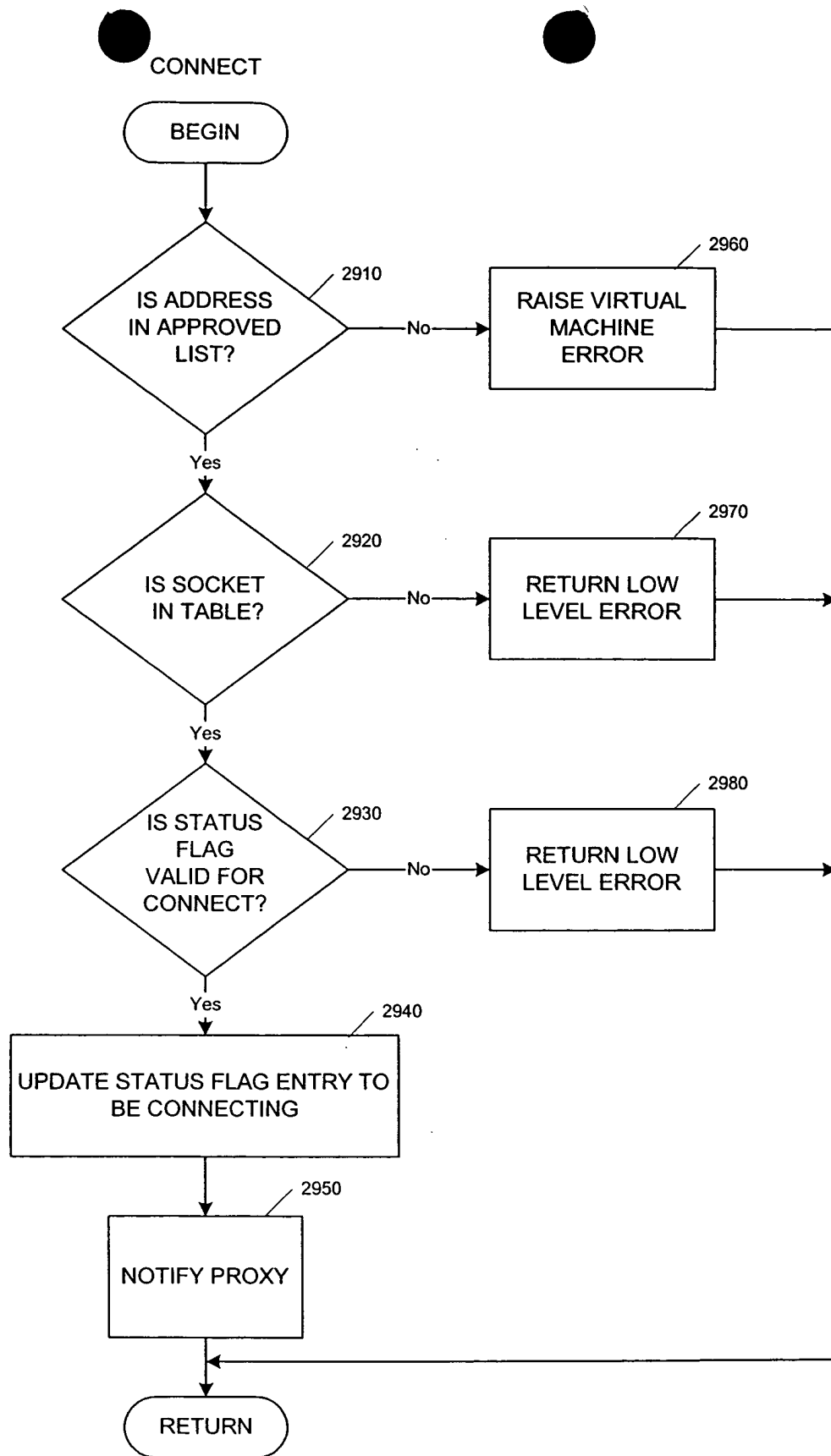


FIG. 29

LLL

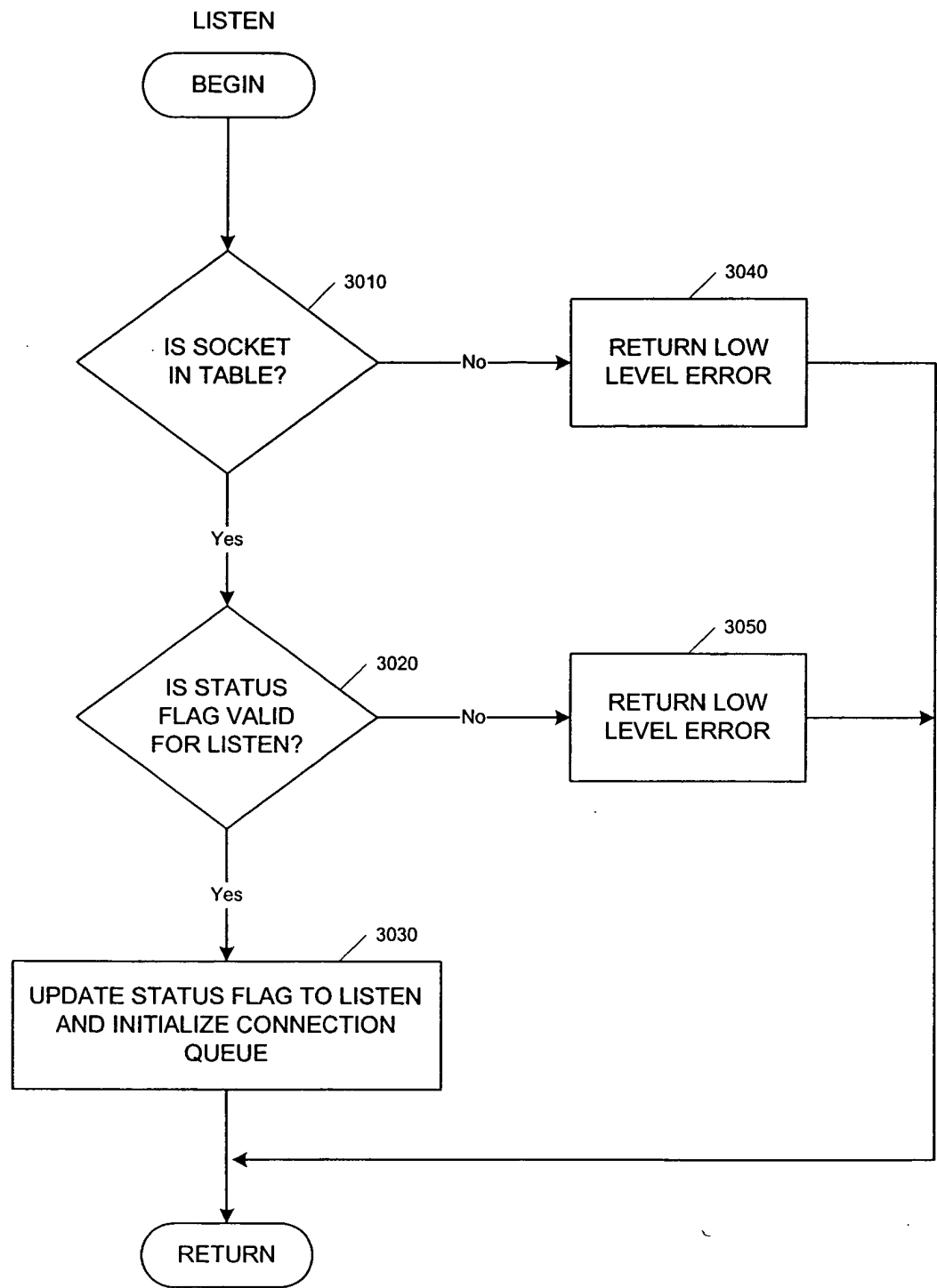


FIG. 30

MMM

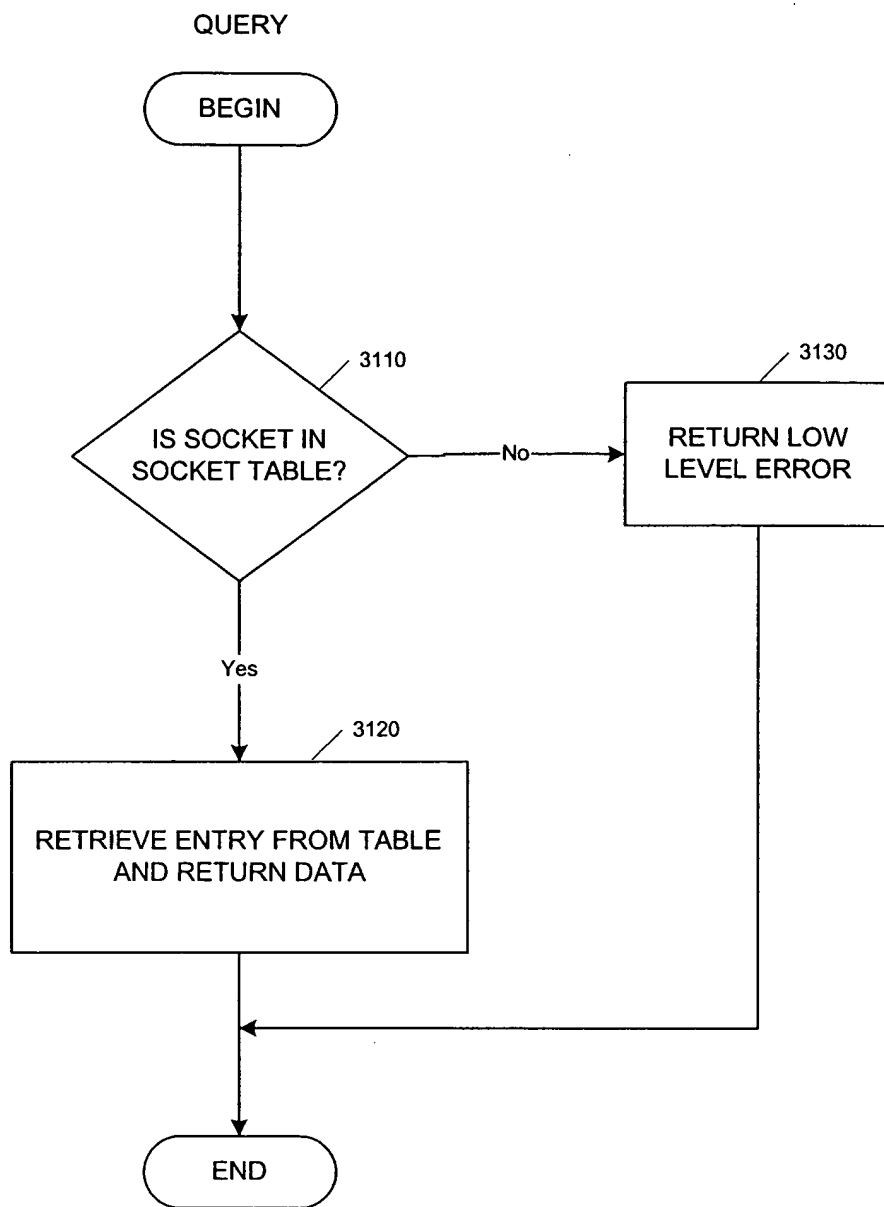


FIG. 31

UPDATE

BEGIN

IS SOCKET ID
IN TABLE?

3210

No

RETURN LOW LEVEL
ERROR

3230

Yes

UPDATE STATUS OF CONDITIONS
OR FLAGS

3220

RETURN

FIG. 32

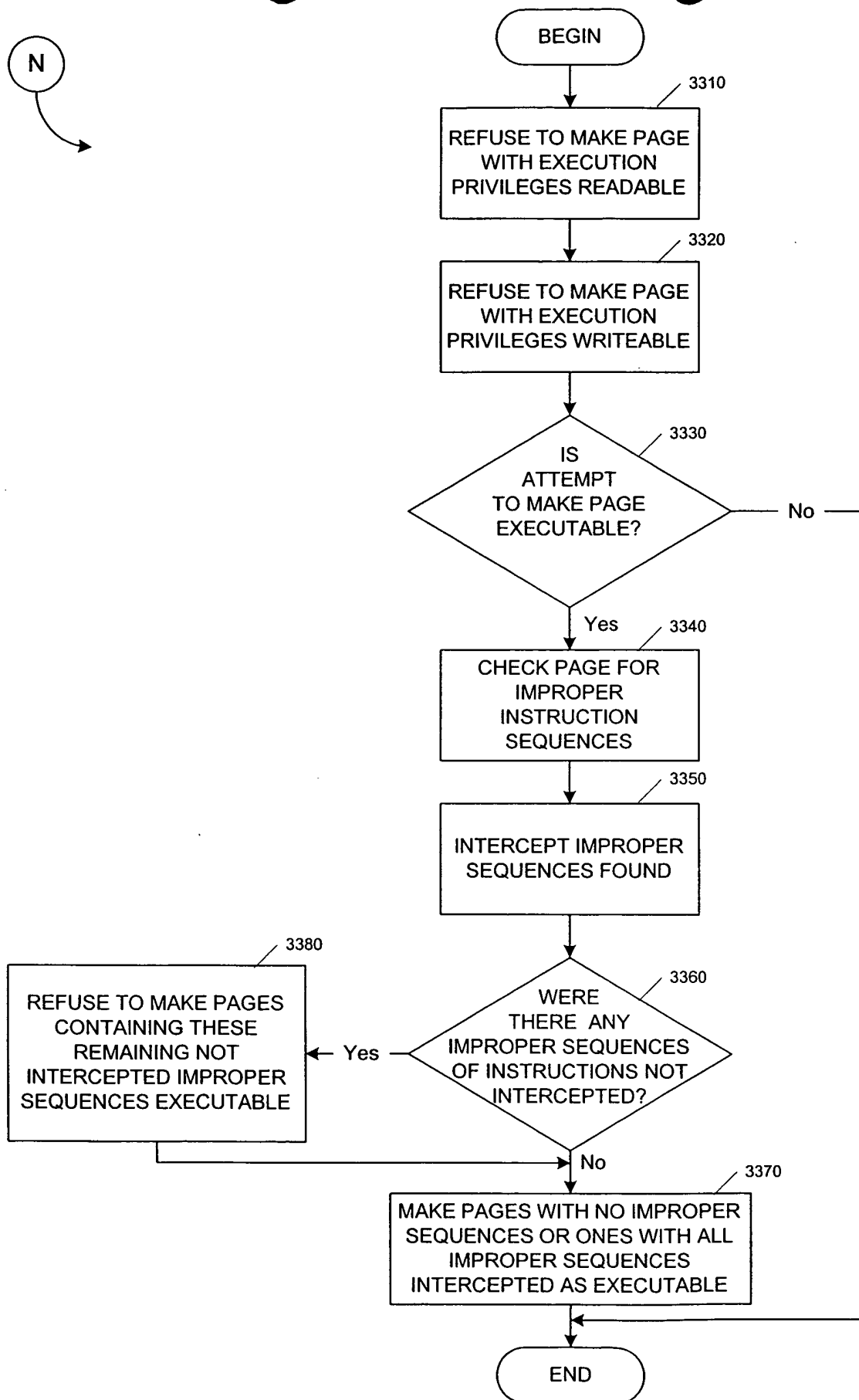


FIG. 33

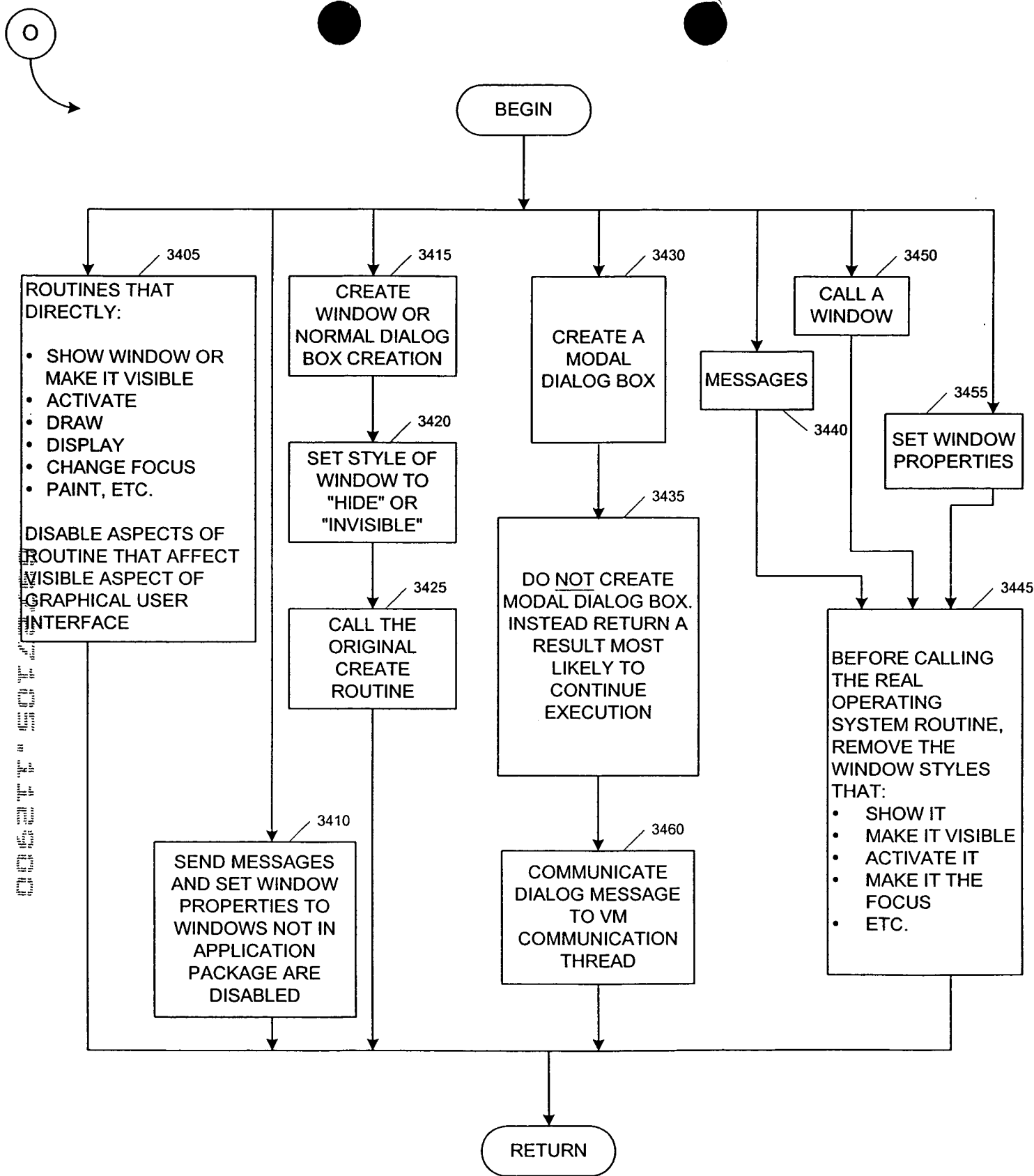


FIG. 34

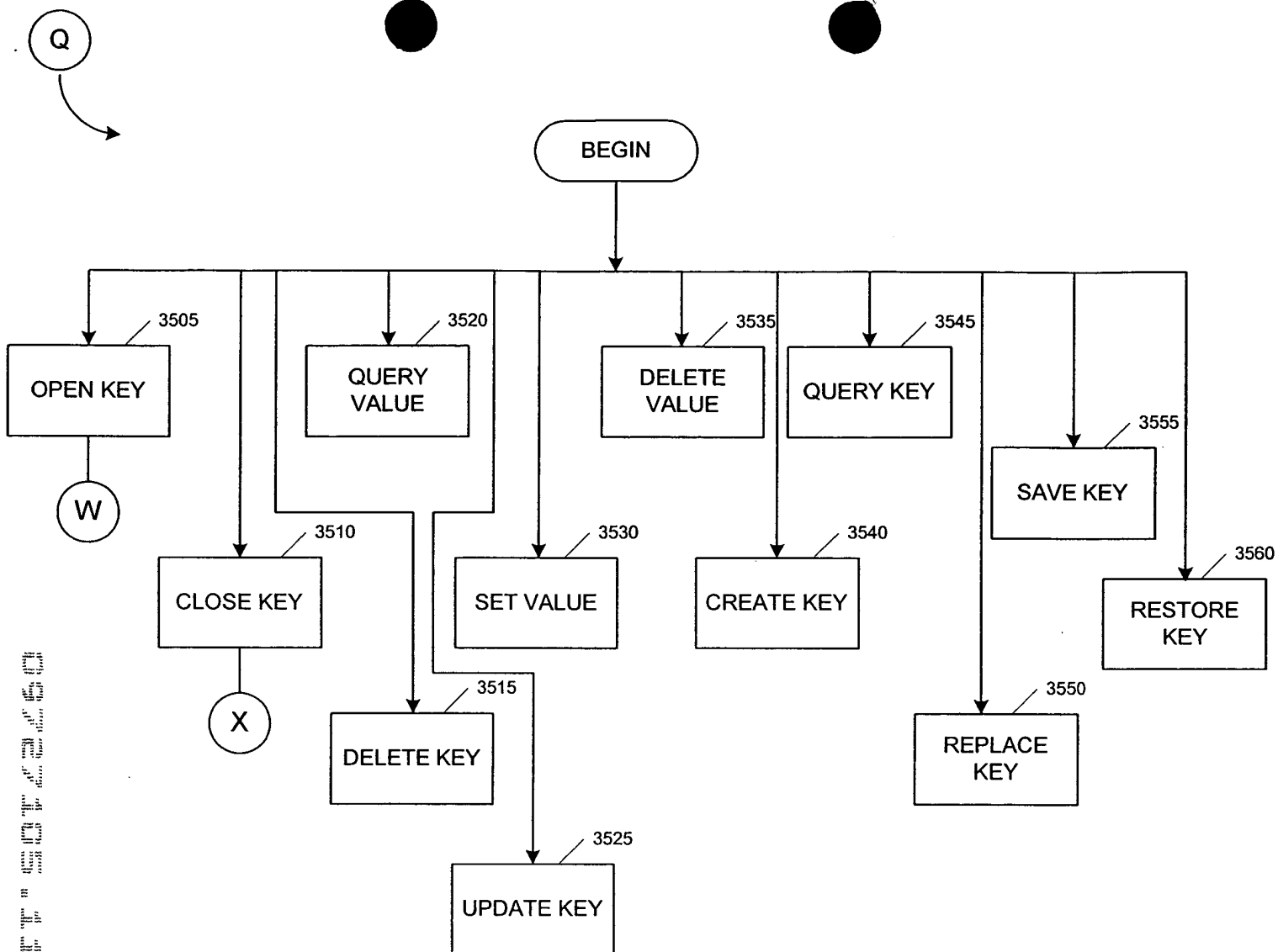


FIG. 35

W

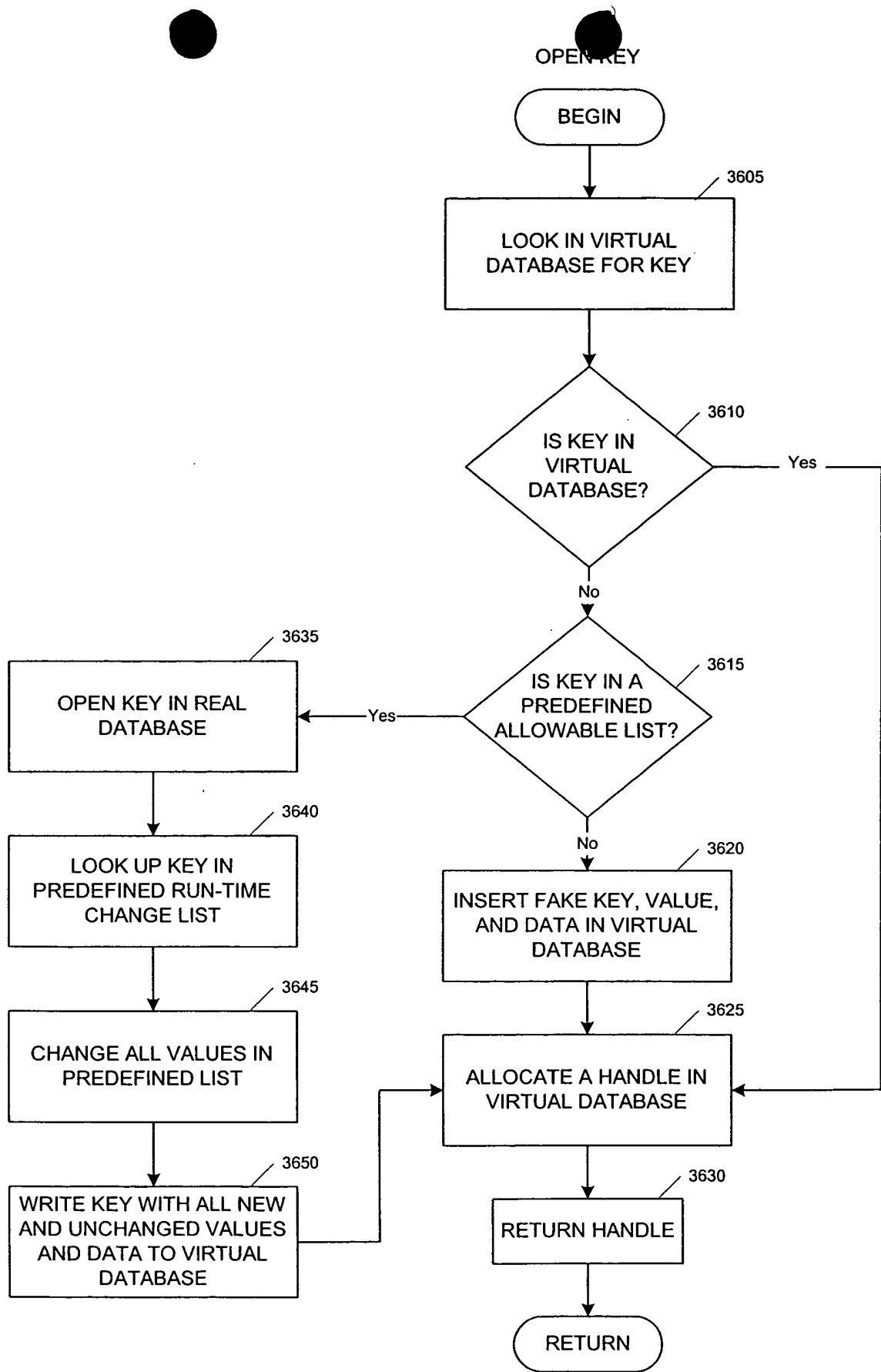


FIG. 36

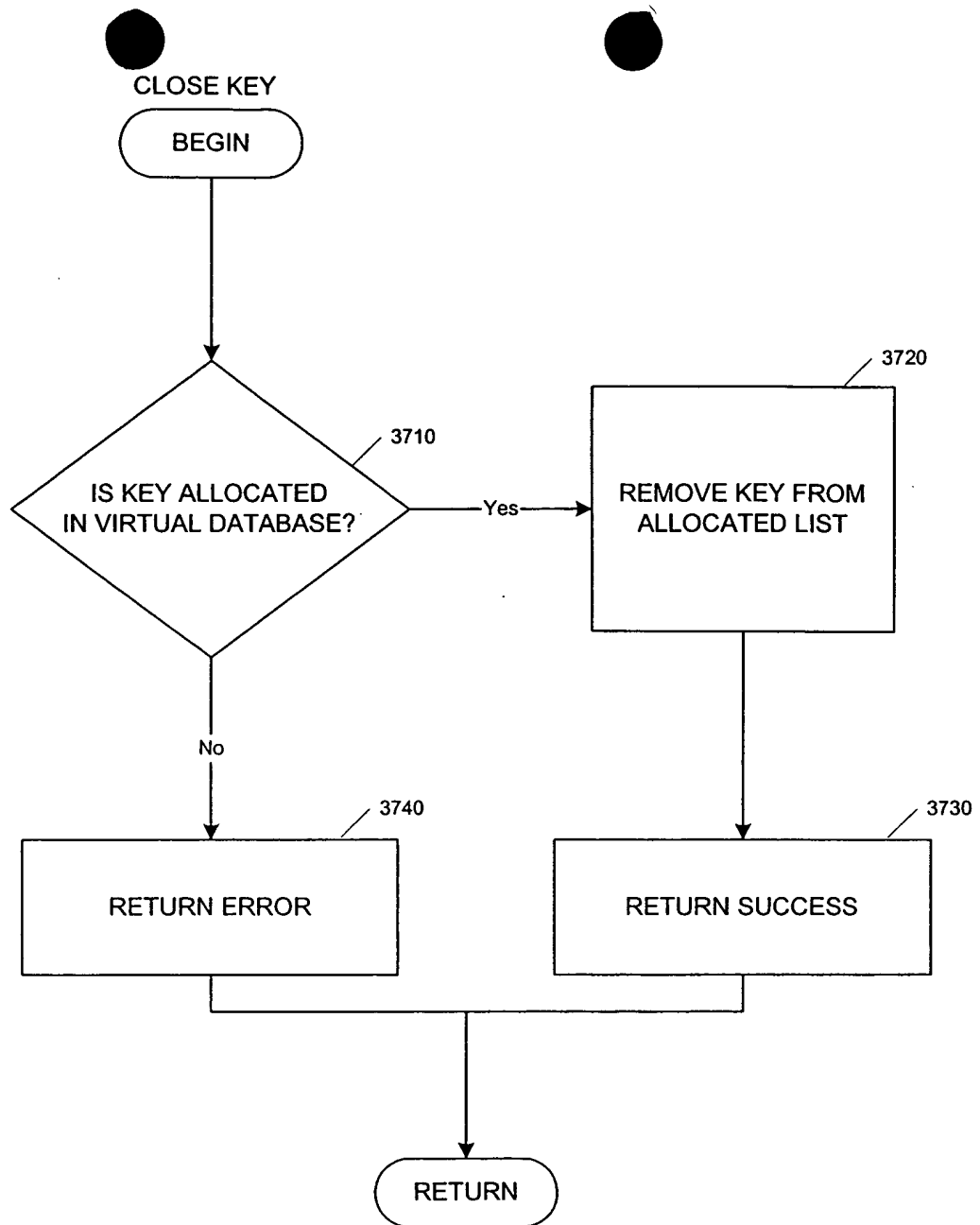
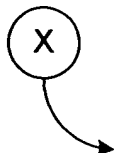


FIG. 37

1. The first part of the paper is devoted to the study of the asymptotic behavior of the solutions of the system (1) as $\epsilon \rightarrow 0$. It is shown that the solutions of the system (1) converge to the solutions of the system (2) in the sense of the weak convergence in the space $L^2(\Omega; \mathbb{R}^n)$.

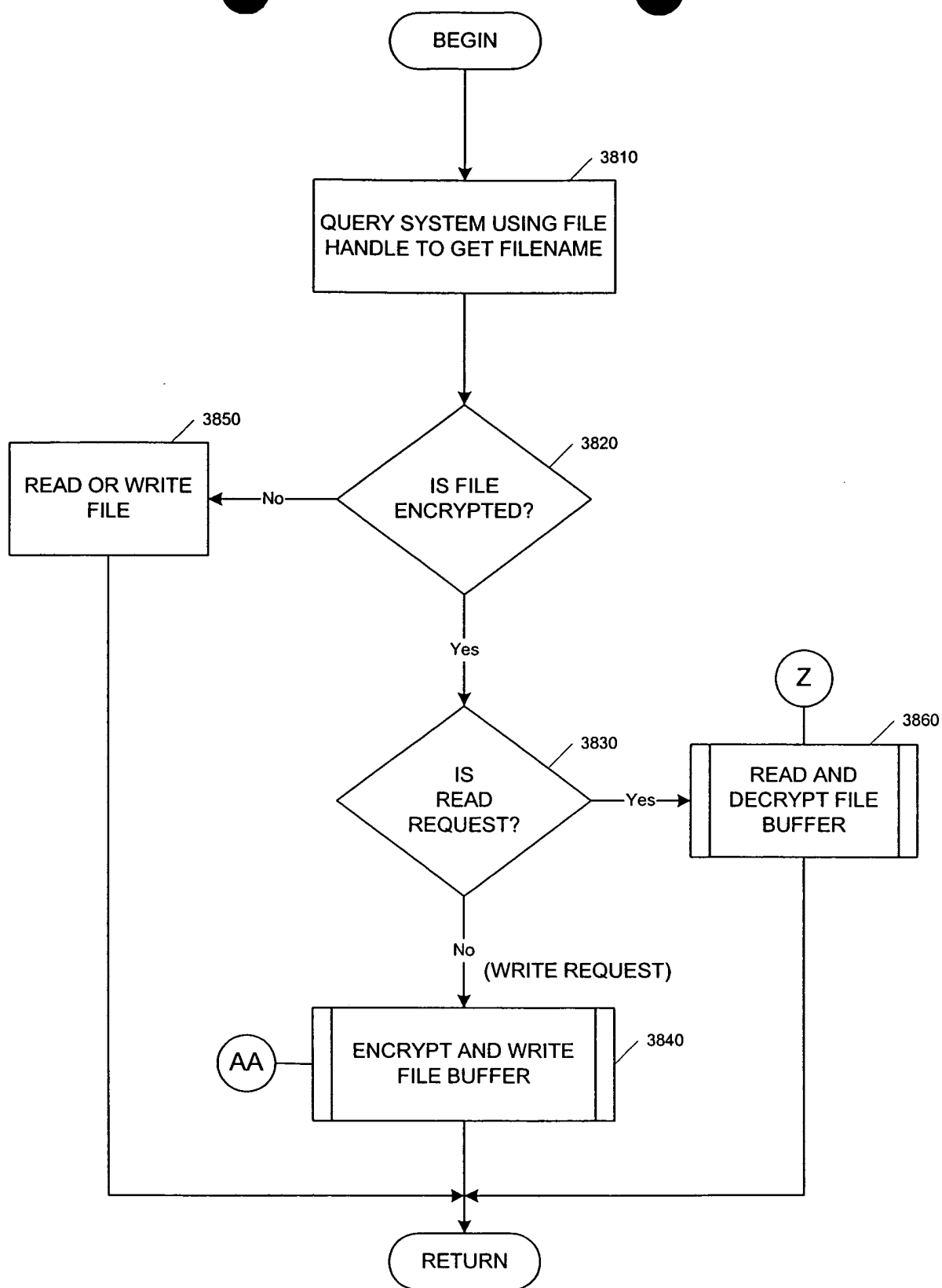


FIG. 38

Z

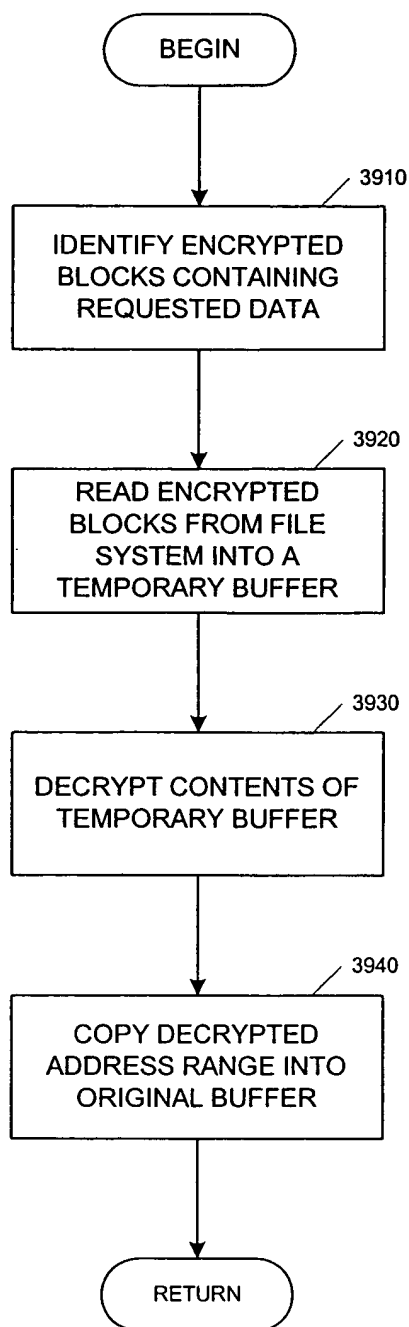


FIG. 39

AA

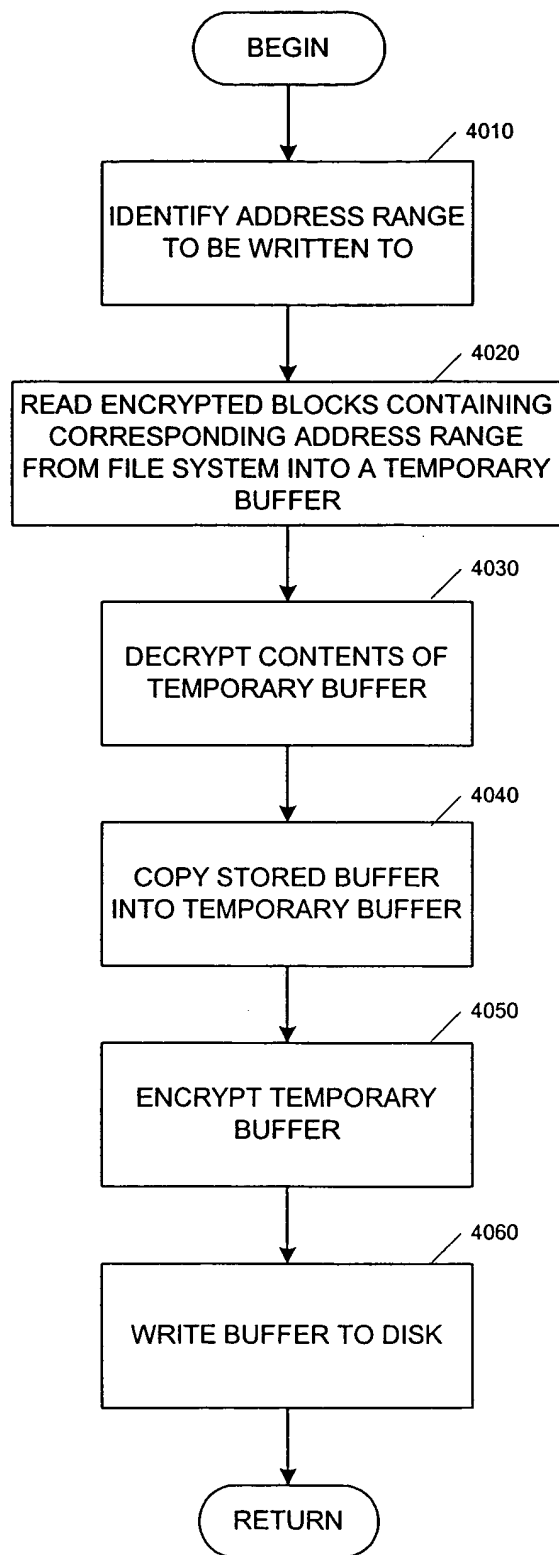


FIG. 40

S

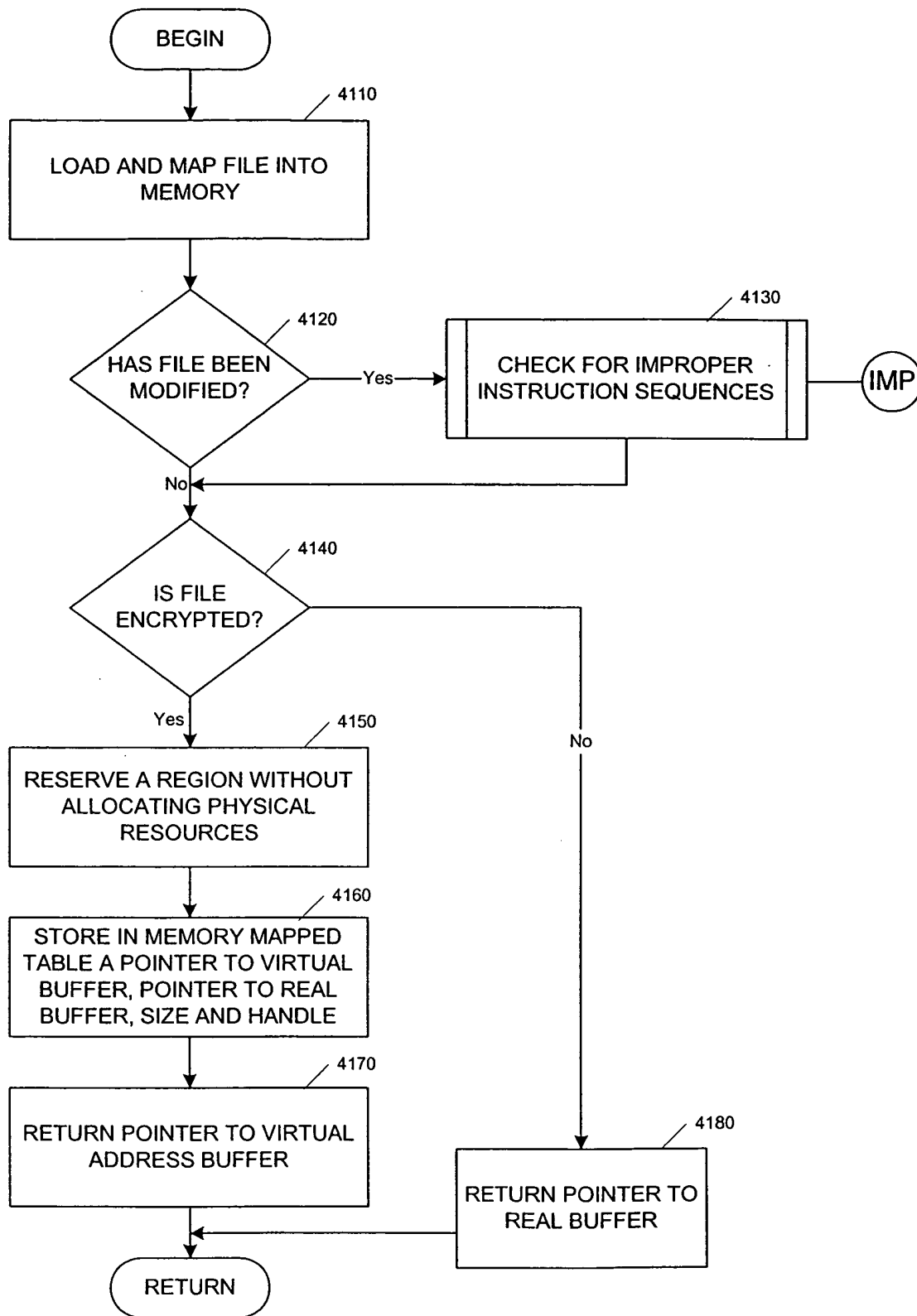


FIG. 41

S
ALTERNATE TO FIG.41)

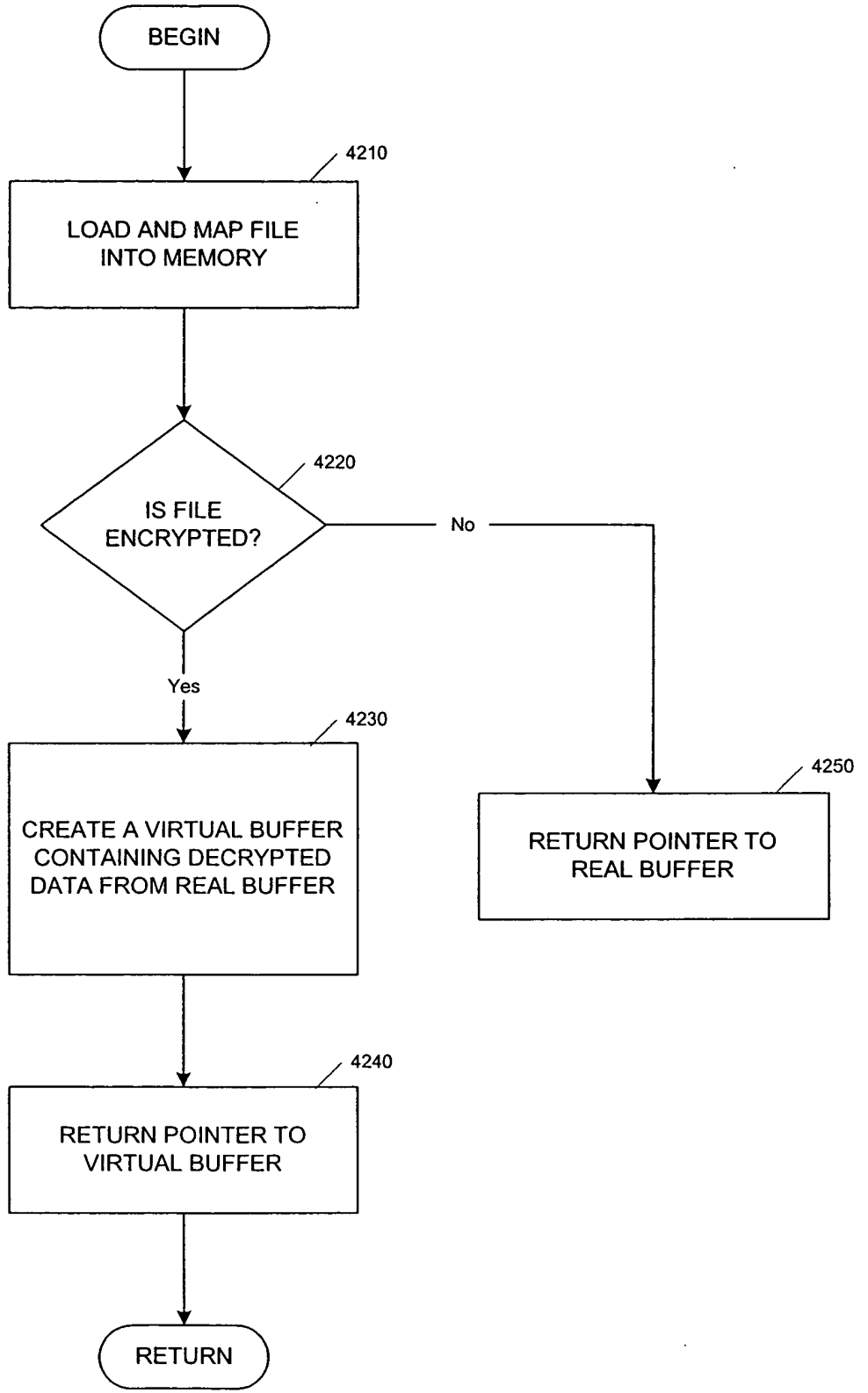


FIG. 42

T

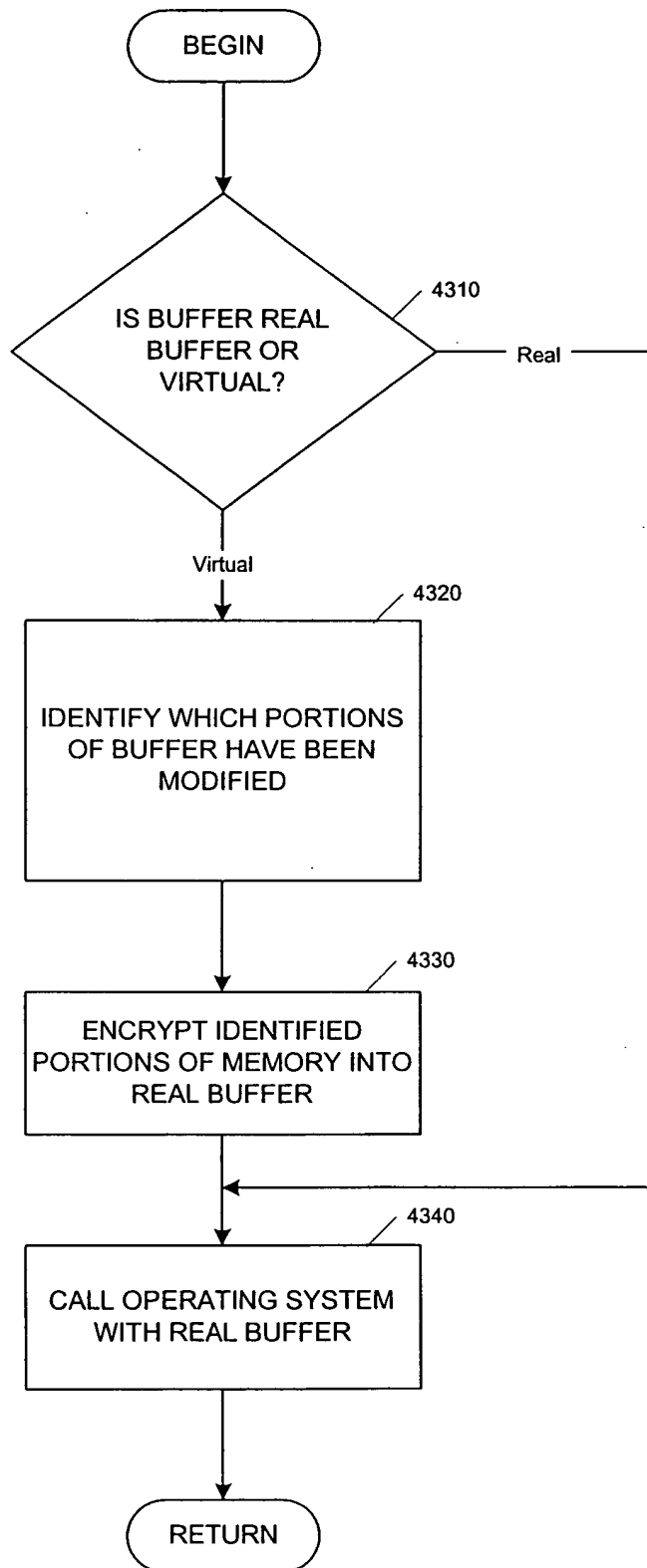


FIG. 43

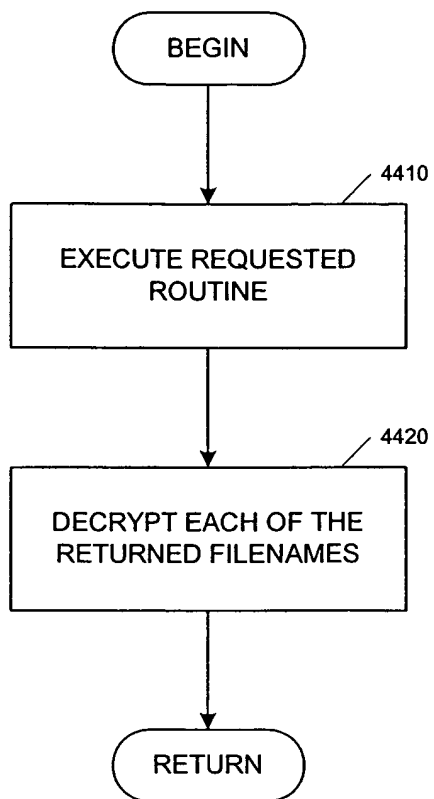


FIG. 44

V

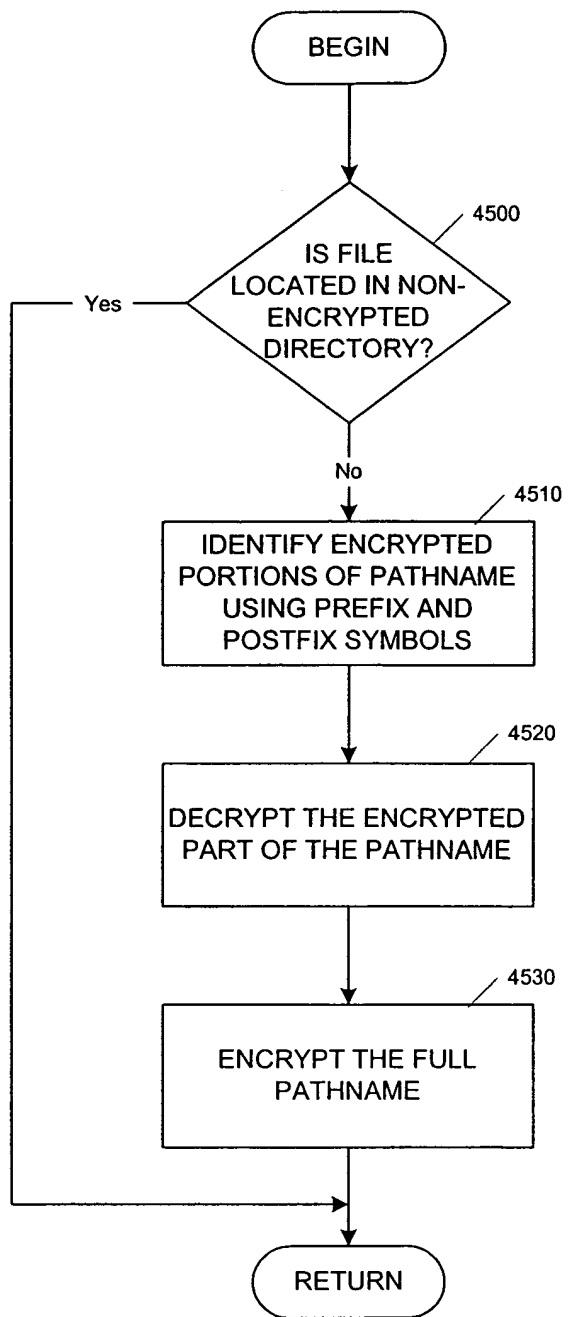


FIG. 45

FIG. 45

TRADITIONAL
SYSTEM LAYOUT

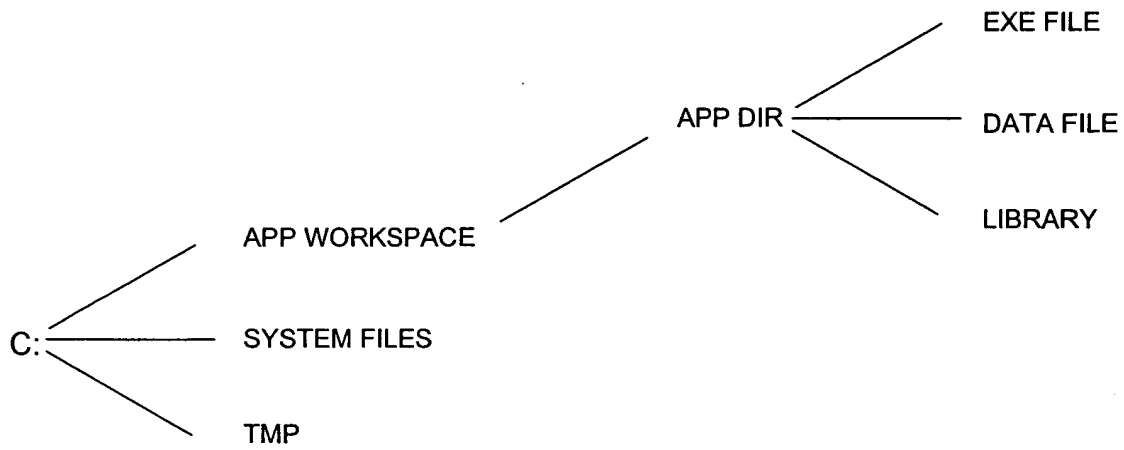


FIG. 46

VIRTUALIZED
SYSTEM LAYOUT

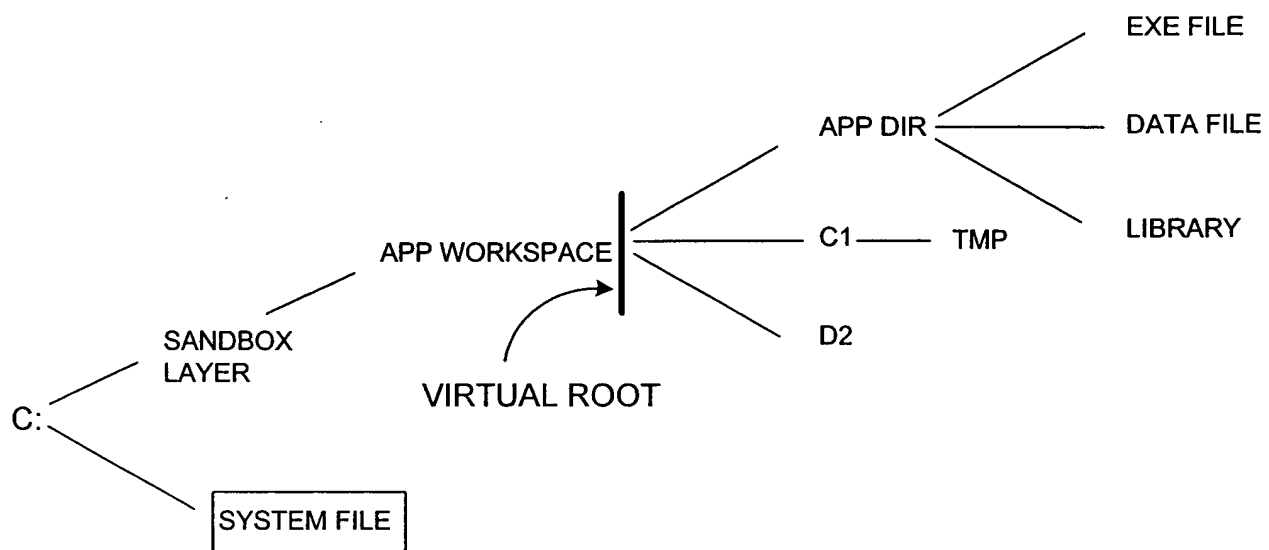


FIG. 47

SOCKET TABLE

4804	4812	4816	4820	4824	4828	4832
"ENTRY" LOCAL SOCKET STRUCTURE	REMOTE SOCKET STRUCTURE	SOCKET STATUS	SOCKET OPTIONS	SEND QUEUE	RECEIVE QUEUE	CONNECTION QUEUE

4800



SOCKET STRUCTURE

- UNIQUE SOCKET ID
- SOCKET TYPE
- PROTOCOLS
- OPTIONS
- NETWORK ADDRESSES
- EVENT
- FAMILY
- BLOCKING

SOCKET STATUS

- UNCONNECTED
- RECEIVING
- SENDING
- LISTENING
- CONNECTED
- DISCONNECTED
- TERMINATED
- SHUTDOWN
- BOUND
- CONNECTING

FIG. 48

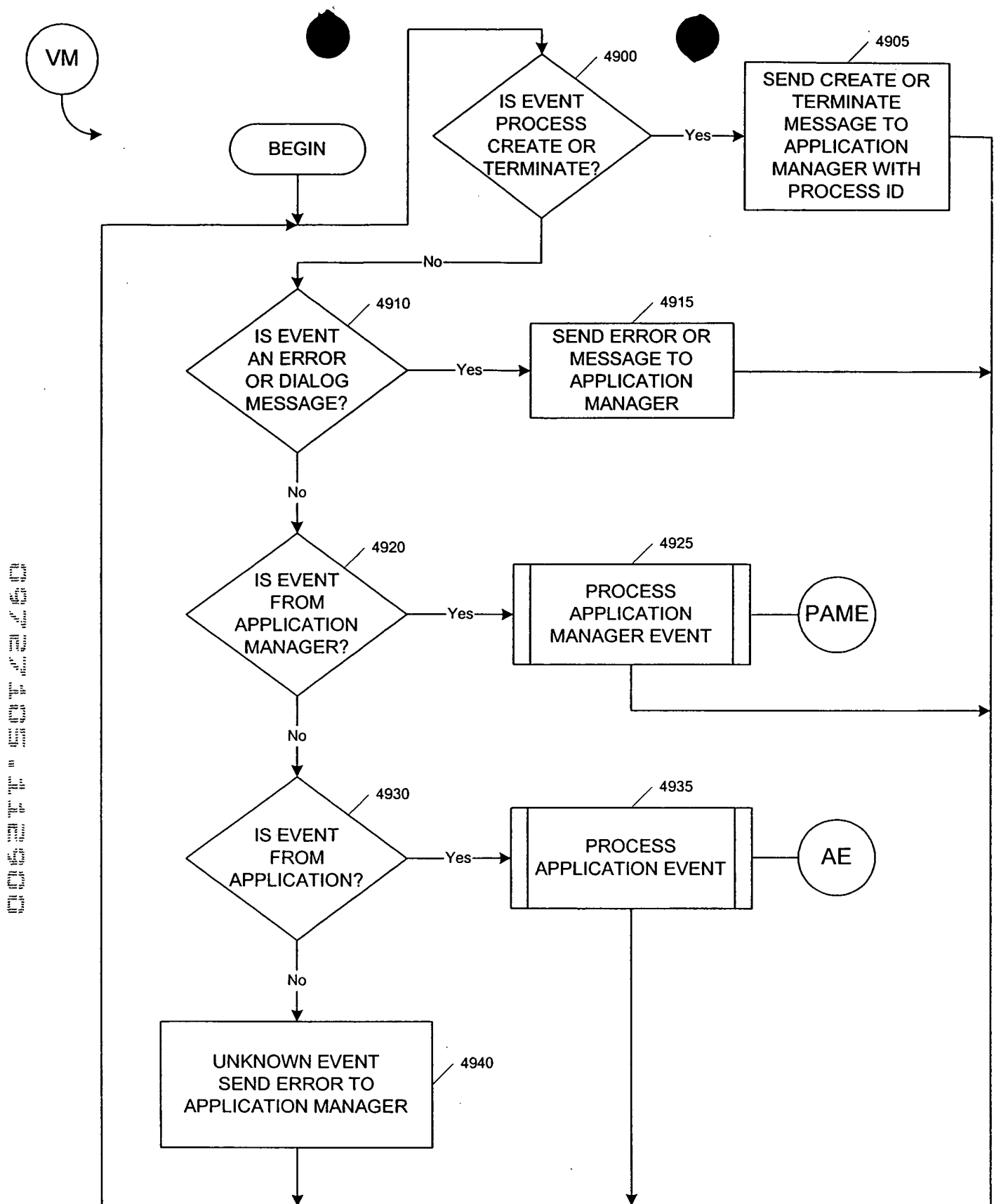


FIG. 49

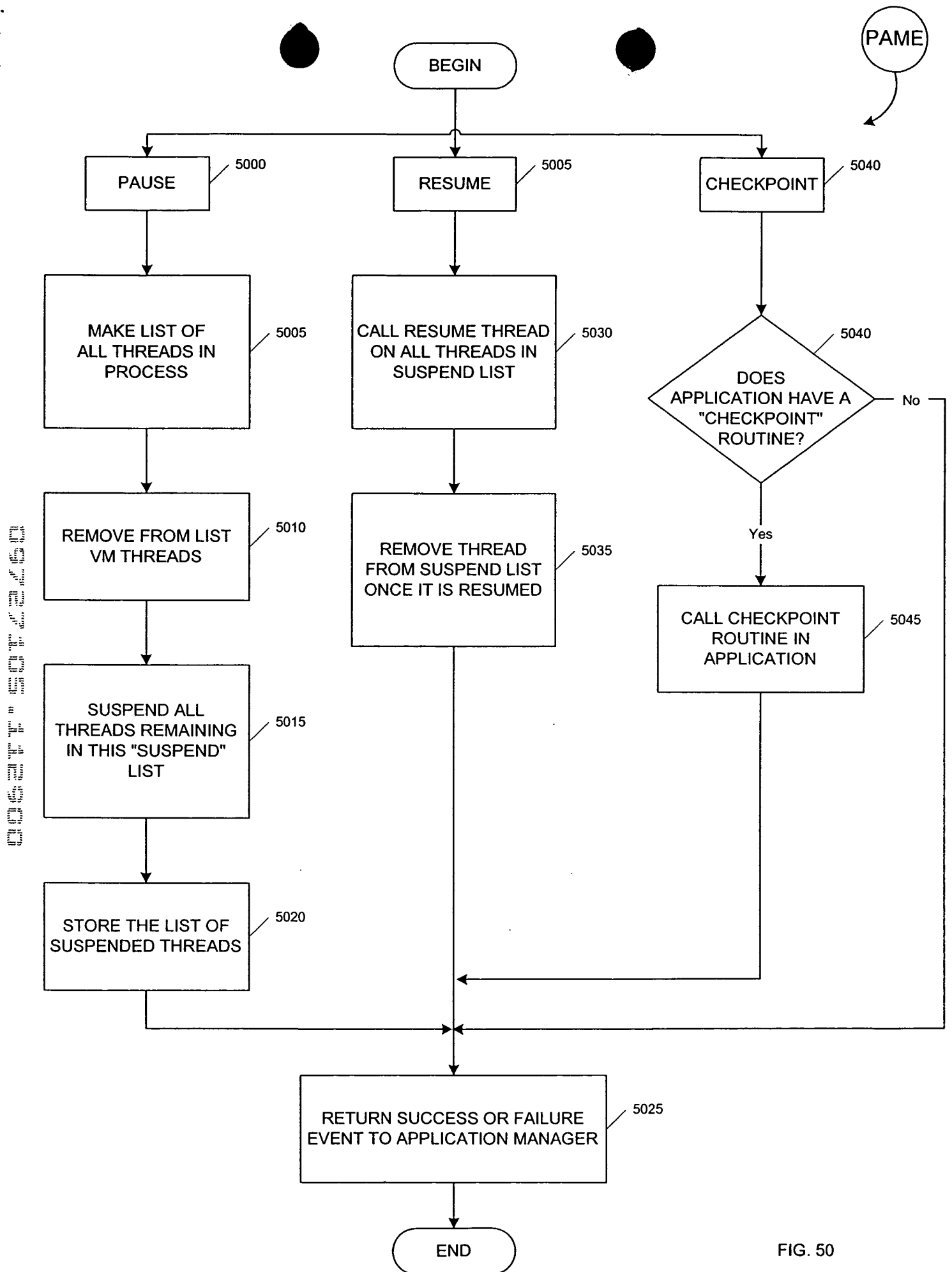


FIG. 50

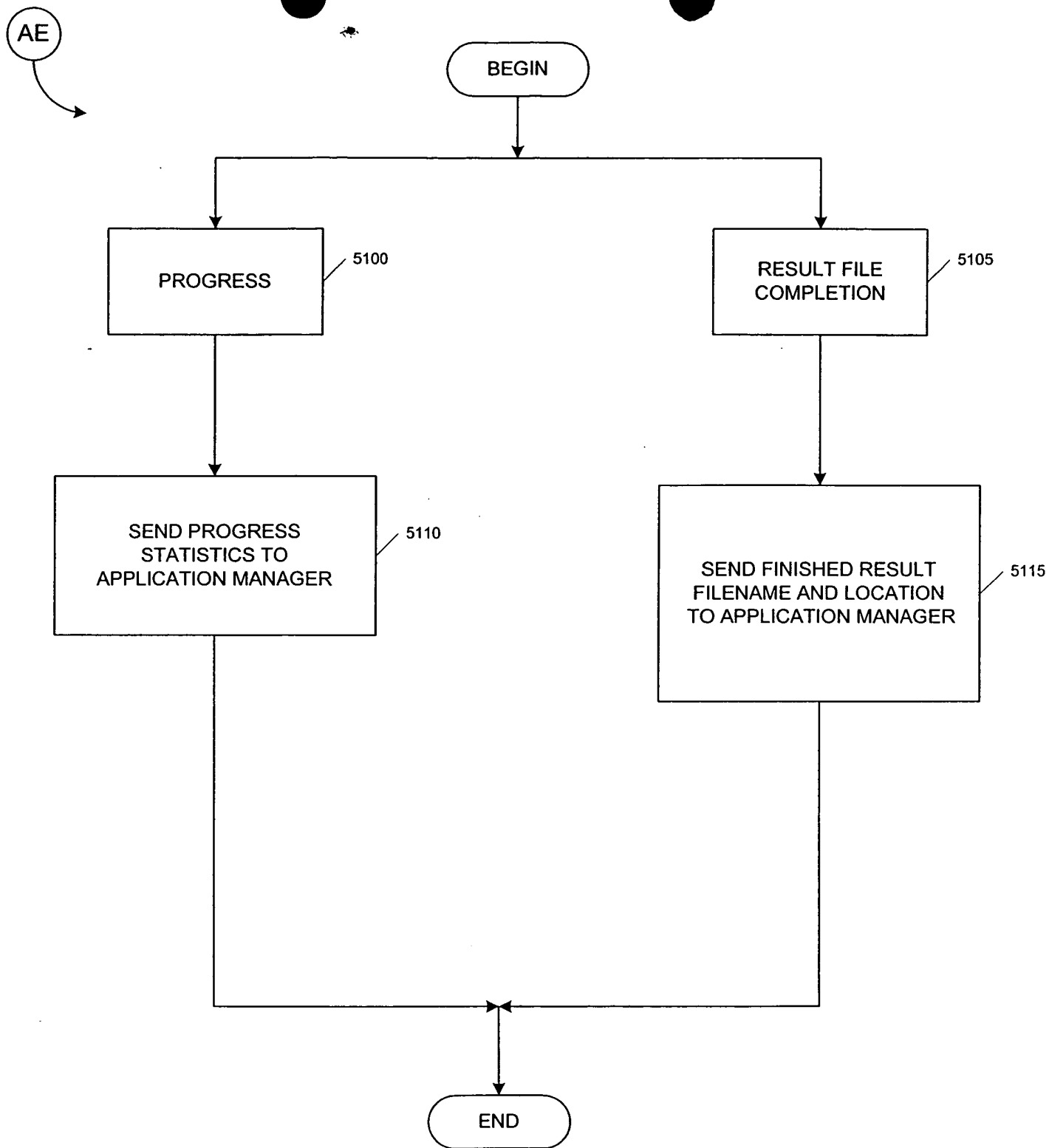


FIG. 51